

THE TIMES Tomorrow Battle... Michael Heseltine looks to Britain's nuclear defences to the end of the century

Pickets return and defy threat of more court action

Hundreds of National Graphical Association pickets gathered last night in Warrington outside the Stockport-based Messenger newspaper plant in defiance of a threatened second writ against the union

Hundreds of pickets gathered outside the Stockport Messenger plant last night in defiance of a threat to take their union back into court to face yet more fines for illegal picketing

Mr Selim (Eddie) Shah said that he would seek his second writ this week to force the National Graphical Association (NGA) into Manchester High Court tomorrow

He added yesterday: "We have no intention of making martyrs out of them. If it is possible to ask the judge not to jail them then we will do that"

Mr Shah was speaking after a night of violence outside his Warrington plant where 4,000 pickets battled with 1,500 police in a vain effort to block the company's vans removing newspapers for distribution

In scenes reminiscent of the rioting in English cities during 1981, 43 people were injured, including 25 policemen, and 73 arrests were made

Mr Shah, commenting on the mass picketing, which lasted for seven hours, described it as disgraceful

The NGA, however, said that the police had over reacted, and issued an official complaint against the Cheshire force

Union officials said that policemen closed the union's public address system, so preventing them from controlling the picket

Mr George Jerrom, the NGA's national officer for Fleet Street, described the closure of the public address system as "bloody disgraceful"

Last night about 2,000 people were expected to attend a meeting in Manchester for sympathetic trade unionists

Seventy-two people appeared in two special magistrates courts at Warrington yesterday, 50 charged with causing a breach of the peace, and 22 with wilful obstruction

Mr Leon Brittan, the Home Secretary, was cheered yesterday by Conservative MPs when, in replying to the Commons on Tuesday night's violence at Warrington, he said he had assured the chief constable of Cheshire of complete support in any use he wished to make of his "very considerable powers"



An injured policeman getting help from a colleague after scuffles with pickets at the Messenger group's Warrington print works (Photograph: Suresh Karadia)

Pym calls for wiser policies

Mr Francis Pym, the former Foreign Secretary, called yesterday for wiser and more sensitive political leadership for more candour in discussing the scale of the recession, and for the Government to share responsibility for ameliorating social evils

The problems of the next decade or more throw out a formidable challenge to political leadership, he said

National unity and social cohesion were under pressure which would increase, and which required "a genuine intention to govern on behalf of the whole nation"

In opposition to the prevailing doctrine, his former colleagues in the Cabinet, Mr Pym, who was speaking to Oxford University Conservatives, asserted that unemployment, to which he traced increased lawlessness, was a more serious problem than inflation

And he expressed dismay at the Government's commitment to cutting taxes, which he thought would require gratuitous further cuts in government expenditure at the expense of pensioners and the unemployed

Every line of Mr Pym's long discourse on leadership and of his definition of "true statesmanship" was an implied reproach to Mrs Margaret Thatcher

Mr Pym has a strong personal following as Westminster and in the constituencies, and he identified himself as a "so-called" or critic of the Government

To Conservatives, he said yesterday, governments that tended to suppress the individual and governments that promoted sections of society at the expense of the whole were equally unpalatable

"Governments exist to ensure that the strong do not tyrannize the weak. Personal responsibility... yes. Self-improvement... yes. Unbridled self-interest... no thank you"

Mr Pym said that Conservative discussion on the role of government was bedevilled by the "spectre of intervention versus laissez-faire"

It was wholly inappropriate when governments saw it as a virtue to do as little as possible

At present the Government could make a contribution to solving our social problems and if it did not do so the consequences would be very serious, not least for itself

The human factor, page 14

Murderer executed in Florida

Robert Sullivan, a committed murderer, was electrocuted in Starke, Florida

Sullivan, aged 36, had spent 10 years on Death Row after being found guilty of killing a restaurant worker to steal \$2,700 (£1,800)

Bribery denied Otto Graf Lambsdorff, the West German Economics Minister, categorically denied allegations that he had taken bribes from the giant Flick company

Seaweed alert Radioactive seaweed, contaminated by up to 1,000 times the normal level, has been washed up on beaches near Sellafield (Windscale) nuclear processing plant in Cumbria

Kidnap move Police have freed the security chief of the Irish supermarket chain whose chairman, Mr Don Tiddy, has been kidnapped

RUC bullet The Royal Ulster Constabulary have admitted that one of their bullets killed Mrs Bridget Foster, aged 80, during a gun battle in Pomeroy, Co Tyrone, on Monday

Share record Share prices set a record on the London Stock Exchange. The FT 30 share index touched 750.9 points at 11 am, before investors took profits

Stumped Colin Croft, the West Indian fast bowler touring in South Africa, was told to leave a "whites only" compartment in a suburban Cape Town train



Computer Horizons offers a last chance to win a school computer and provides a forum for debate on whether numeracy is on the wane

Leader page, 15 Letters: On the GLC, from Mr J Wilkinson, MP, and Mr C Taylor; research cuts, from Professor E H Francis and others

Leading articles: Warrington dispute; US and Israel; DES dispute

Features, page 12, 14 Unemployment: Francis Pym on the human factor; the law and the pickets; Jacques Chirac, musketeer on the attack; a profile of Andreas Papandreu

Table with 2 columns: Home News, Overseas, Arts, Business, Chess, Court, Diary. Lists various news items and their page numbers.

Fleet Street granted injunction

The High Court yesterday granted an injunction restraining the National Graphical Association (NGA) from repeating last week's two-day walk-out in Fleet Street and the Court of Appeal ordered the seizure of the NGA's £10m in new legal moves against the union

As the pickets began massing again at the plant of the Stockport-based Messenger newspaper group, at Warrington, Mr Joe Wade, the union's general secretary, said that he and his executive council were ready to go to prison rather than pay fines and obey orders made under the employment Acts

The conciliation service, Acas, is still trying to bring the parties together to discuss a negotiated settlement of the long-running dispute over a closed shop and the alleged victimization of six Messenger workers, but Mr Selim (Eddie) Shah, publisher of the newspaper, said: "The negotiations are dead"

He said he intends to go back to the High Court in Manchester seeking fresh writs and added: "We shall not be intimidated by bully-boy tactics"

The other main printing union, Sogat '82, yesterday pledged its "total support to the NGA and called on its branches to give all possible assistance in response to the TUC's call for "proper" support from the rest of the Labour movement

Mr Wade, speaking on BBC Radio 4, said that union lawyers had advised that continuing failure to abide by the court orders to call off the mass picket could result in his being jailed with his colleagues

"Members of my national council and national officers and myself have made clear that, because this is such an important matter of principle, if necessary we are prepared to go to prison"

"We are not looking to become martyrs. We do not want to become martyrs. We do

Continued on page 2, col 6

Brittan tells police 'use your powers'

Mr Leon Brittan, the Home Secretary, was cheered yesterday by Conservative MPs when, in replying to the Commons on Tuesday night's violence at Warrington, he said he had assured the chief constable of Cheshire of complete support in any use he wished to make of his "very considerable powers"

Mr Brittan said that the purpose of the pickets was clearly not to communicate information, not persuasion, not even demonstration. It was physically to prevent newspapers being moved from the premises

Mr Gerald Kaufman, Labour shadow home secretary, began by saying that the Opposition categorically condemned "all violence in all circumstances, in whatever place and for whatever reason"

But the deplorable scenes of violence at Warrington, he said, were a direct outcome of the Government's folly

Mr Norman St John-Stevens, from the Conservative benches, complained of "weasel words" from Mr Kaufman, and said that Mr Neil Kinnock, leader of the Opposition, should himself rise and condemn the violence without qualification

Mr Brittan complained that MPs were using the protection of the Commons to pass judgment on the police, which he could not do because of his ultimate responsibility for police discipline

Parliament, page 4

Mr Kinnock's political opponents invited to urge him to his feet, Mr David Steel, the Liberal leader, said the politicians should condemn violence not just in general terms but specifically

Mr Roy Jenkins, for the Social Democrats, a former Labour Home Secretary, said that mass picketing on the present scale was clearly unlawful under laws which Labour had governed

Even the Speaker, Mr Bernard Weatherill, who had repeatedly to appeal for order, seemed to add to the pressure on Mr Kinnock by offering to call him if he wished

Mr Kinnock sat tight, smiling indifferently at the Conservatives as they shouted at him, and so enraging them all the more

Tip No 547 frees Heineken

From Robert Schuil Amsterdam Exactly three weeks after they were abducted, Mr Alfred Heineken, chairman of one of Europe's largest breweries and his chauffeur Mr Ab Dodderer were freed at dawn yesterday

Both men were in good health but in need of a rest after their ordeal. They were immediately taken to Mr Heineken's home in Noordwijk, a coastal resort on the North Sea

Immediately after they were freed police arrested 24 people holding three of the seven men described in the main article

The police disclosed that a ransom had been paid to the kidnappers on Monday, but declined to divulge the sum involved

The tip, an anonymous letter received on November 16 by the brewery, drew the attention of the police to three men operating "a dubious enterprise" on the industrial estate

Suspicious, men were arrested when the men ordered two takeaway meals at a Chinese restaurant and confirmed when they shadowed the men to a metal near Utrecht, where they dropped off a message concerning the payment of the ransom

When nearly two days later the kidnapped men had still not been released, the police decided that the time had come to act

Photographs, page 8

Lawyers accused of plot to 'noble' MPs

Methods being employed by the Law Society in its attempt to secure the defeat of legislation which would break the monopoly of solicitors on conveying work have been reported to the Speaker of the Commons, Mr Bernard Weatherill, as a possible breach of parliamentary privilege

Mr Weatherill has been given a copy of a record of a meeting held for Law Society press officers and parliamentary liaison officers at the Law Society's Hall on November 15

It states that the society has engaged a firm of parliamentary lobbyists "to defeat the Bill" that it will "put pressure on Conservative MPs to avoid the Commons vote"

Mr Weatherill said that the professional lobbyist firm had been told to "use all means at their disposal to ensure the Bill's defeat in the House on the day its second reading is taken"

Mr Weatherill said that the firm was "Mr W. Mitchell, Law Society dislikes his Bill"

£17m paid to robbed gold owner

More than £17m was paid out yesterday by insurance officials to the biggest single loser in the £26m gold bullion robbery last weekend

A spokesman for the insurance brokers, Stewart Wrightson (Surety) said yesterday that the money had been paid to a British company who owned the majority of the gold taken from a Brinks-Mat warehouse close to Heathrow last Saturday

The spokesman said the owners of the bullion had asked not to be identified for "commercial" reasons

War perceptions, defined their positions more sharply after the Air Force bombed their town on September 27, killing about 50 civilians

Agencies apart, many of El Salvador's 4.5 million people are unclear why the two sides are fighting

Indeed, many people in the country say they long for the old days of oligarchic supremacy when they were wretched - say they are now - and people are angered but, at least they were tranquil

Recently the death squads have been recruiting and training the politicians' bodies - they are not bodies - they are bodies by the Americans, supported by both right and left, only sounds more violence

Caught in the agony of El Salvador's crossfire

Everywhere in San Salvador - outside McDonald's hamburger bars and government buildings - you see sullen men in jeans clutching automatic rifles or stubby black machine guns

Everyone you meet whether armed or unarmed, gives you the feeling they are only provisionally alive

The notorious matanza (slaughter), of 1932 set the tone for present-day El Salvador

Today, El Salvador's most active right-wing death squad takes its name from that general. The left-wing rebels

take theirs from the executed peasant leader, the Farabundo Martí National Liberation Front (FMLN)

Advertisement for Famous Grouse Scotch Whisky. Features a large image of a grouse on a branch and a bottle of whisky. Text includes 'Famous Grouse', 'West of Scotland Whisky', and 'Quality in an age-old language'.

Handwritten Arabic text at the bottom center of the page.

Inquiry starts into cases of leukaemia near nuclear power stations

By Pearce Wright, Science Editor

An investigation into the incidence of cancer among people living near all nuclear power installations has started. The pattern of the illness is to be studied before and after the plants were built, and a comparison made with similar populations remote from any nuclear installation.

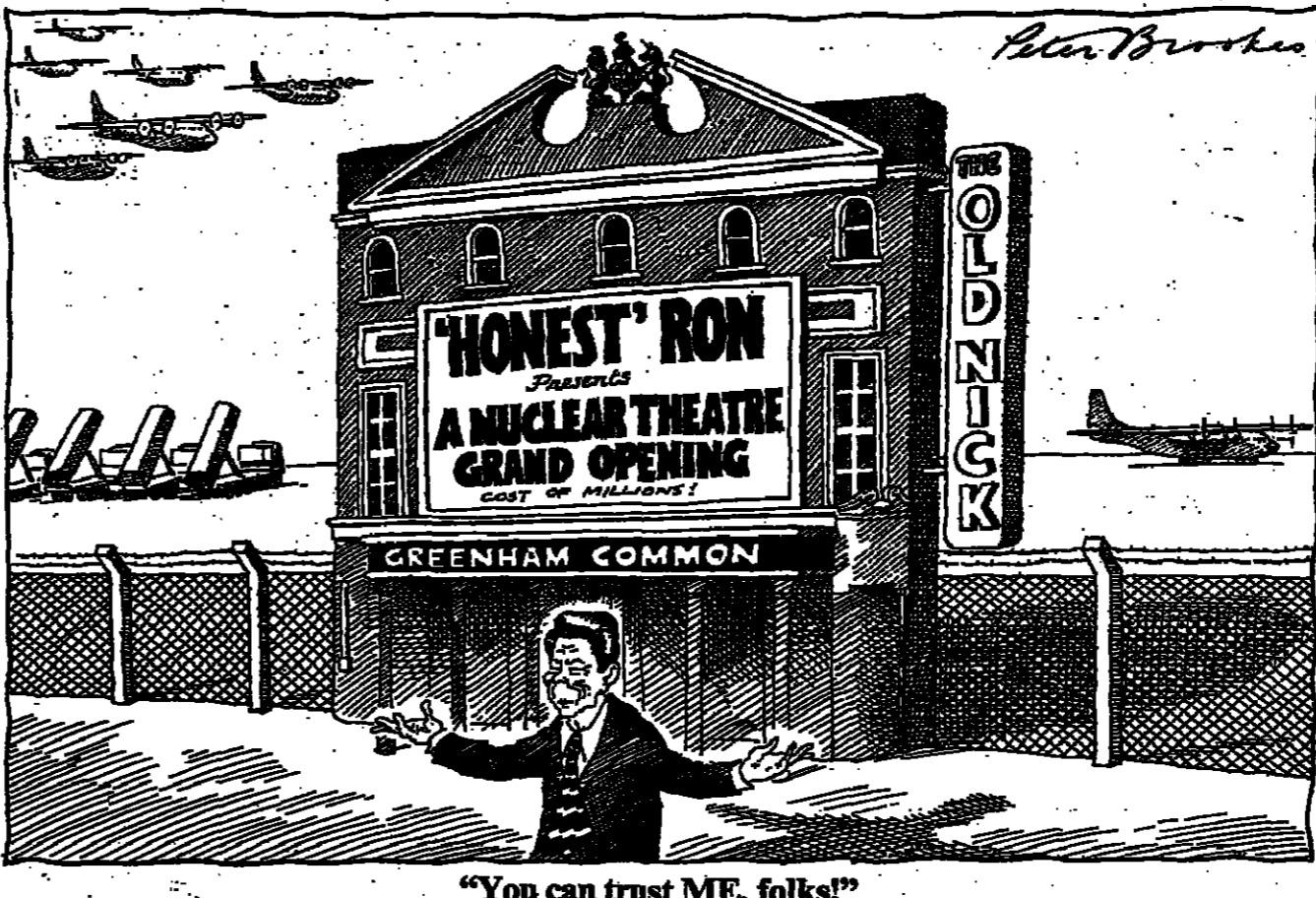
The study, to be conducted by the Protection Board and the epidemiological research unit at Oxford University, will not be completed before next year. Nevertheless, the results of that study may be the only way of resolving the controversy over the number of cases of leukaemia among children living in villages near the nuclear fuel reprocessing plant at Sellafield, formerly Windscale, in Cumbria.

average figures is rejected by British Nuclear Fuels. Mr Harold Bohler, the company secretary, said yesterday: "We are not responsible for the effects which Yorkshire Television say they have found."

These are described as 'clusters'. Mr Mummery added: "A quick examination by British Nuclear Fuels has identified a town in Cumbria some 30 miles from the coastline where a cancer cluster exists."

mentary was examined by Professor Edward Radford, a leading epidemiologist in that field from Pittsburgh University in the United States. He was chairman of a committee of the US National Academy of Sciences set up to look into the effects of radiation, and he has been an adviser to international groups studying safety issues.

Yet British Nuclear Fuels is not disputing the existence of low levels of contamination of radioactive substances. But it says: "Assuming the highest figures quoted for levels of radioactivity to be correct, children would have to eat 20lbs of dust a year or sit in one tiny spot on a muddy estuary for 500 hours in a year before permitted limits would be reached."



"You can trust ME, folks!"

Shake-up urged in farming

By John Young, Agricultural Correspondent

Abolition of almost the whole farm support structure is called for in a report published today. The EEC common agricultural policy, the marketing boards, the Agricultural Mortgage Corporation, the Forestry Commission and government-financed research services would all go under proposals from the Adam Smith Institute.

Even the Ministry of Agriculture would be merged with the Department of Trade and Industry. The report is a straightforward application of the free market economy approach to what the institute regards as an indefensibly subsidized and cosseted industry. The end result, it implies, would be cheaper food and a saving to the taxpayer of hundreds of millions of pounds.

Cruise will arrive in three weeks

Continued from page 1

last week with the United States Defence Secretary Mr Caspar Weinberger. Mr Heseltine is understood to have explained and complained of these increased difficulties.

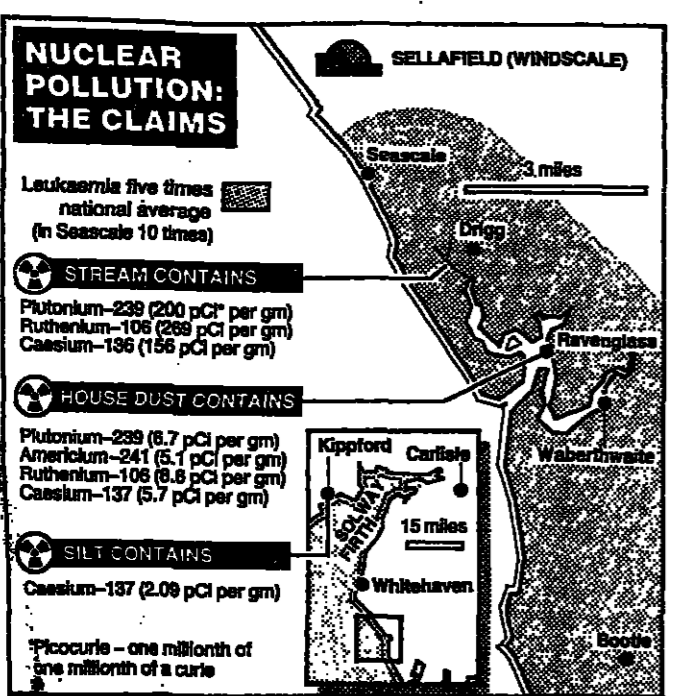
Mr David Steel, the Liberal leader, said that the absence of a deal key was one reason for not accepting the government proposal to deploy. He could not accept that the original agreement about joint decision, reached between Mr Clement Attlee and President Truman about aircraft, could be applied automatically to missiles.

Greenham security is stepped up

From Alan Hamilton, Greenham Common

Greatly increased security surrounded Greenham Common air base in Berkshire yesterday after a weekend in which the perimeter fence was breached and torn down in several places by peace campaigners.

Police guarded all gates and patrolled along the inside of the nine-mile fence, while army detachments erected additional barriers of barbed wire. A police helicopter flew around the base all day.



Six miners rescued after three-hour ordeal

By Paul Routledge, Labour Editor

Six miners were rescued yesterday after a roof fall trapped them 300ft underground for more than three hours. The alarm was raised at 2.30pm when a 15ft section of roof collapsed, blocking the underground roadway to the coalface with tons of rock.

'Failure to disclose job pact'

The Post Office Engineering Union was criticized in the Court of Appeal yesterday for not disclosing a job security agreement it has with British Telecom.

The union is backing links between the BT network and Mercury Communications, the private telephone company, because, it says, it fears job losses. Mr Robert Alexander QC, for Mercury, told the court that it had come to light only last week that the union had a job security agreement with BT.

The Shadow Cabinet

- Labour's front bench appointments are: (Asterisk indicates member of parliamentary committee): Deputy Leader and Treasury and Economic Affairs: Mr Roy Hattersley; Foreign and Commonwealth Affairs: Mr Denis Healey; Home Affairs: Mr Peter Shore; Leader of the House and Trade and Industry: Mr John Smith; Employment: Mr John Gummer; Environment: Mr John Gummer; Defence and Disarmament: Mr John Gummer; Northern Ireland: Mr John Gummer; Wales and Community Affairs: Mr John Gummer; Housing and Construction: Mr John Gummer; Health and Social Security: Mr John Gummer; Energy: Mr John Gummer; Defence and Disarmament: Mr John Gummer; Legal Affairs: Mr John Gummer; Women's Rights: Mr John Gummer.

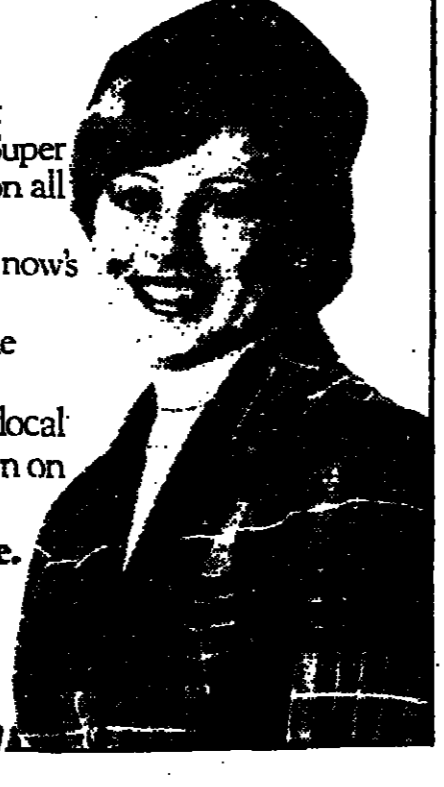
Basic facts about cruise and Pershing 2

By Our Defence Correspondent

What are they? The cruise missile is an unmanned vehicle for carrying an explosive warhead. Throughout its flight it is under continuous power from its jet engine, which has to take in oxygen to function. This means that it must remain in the atmosphere, and in fact is designed to fly at very low levels.

Caledonian Girls to Dallas/Fort Worth: Two Super Executive tickets for the price of one.

Between 23rd October and 31st December 1983, we're offering two Super Executive seats for the price of one on all round trips to Dallas/Fort Worth. So if you've never flown with us, now's a good time to try. And let someone else share the experience with you. Free of charge. For further details contact your local travel agent or call British Caledonian on 01-668 4222. We never forget you have a choice.



Police hunting Sheffield killer study phone tape

By Ronald Faux

Police hunting the killer of three members of a Sheffield family were studying yesterday a recording of a telephone call made to a newspaper by a man claiming to be Arthur Hutchinson, whom the police want to question in connection with the murders. The caller gave details likely to be known only to Mr Hutchinson, aged 42, who escaped a month ago from custody at Selby police station in North Yorkshire.

Table comparing Cruise and Pershing 2 missiles. Cruise: Length 20.5ft, Speed about 550mph, Weight 3,200lb, Range 1,500 miles, Warhead single nuclear warhead, Accuracy within 50 yards of target. Pershing 2: Length 38ft, Speed 5,000mph, Weight about 7 tons, Range over 1,000 miles, Warhead single nuclear warhead, up to about 50 kilotons, Accuracy within 50 yards of target, Launcher launched from back of lorry.

Advertisement for Jannau Grand Armagnac Brandy. Text: 'When his sang froid proves too cool', 'Charm him with JANNEAU GRAND ARMAGNAC BRANDY', 'Too good to keep to yourself'. Includes an image of a bottle of brandy.

Biffen reply over Times bid

By Anthony Evans, Political Correspondent

Mr John Biffen, leader of the Commons and a former Secretary of State for Trade, last night rebutted the charge that he had misled the Commons over the profitability of The Sunday Times in January 1981, the time of the bid made by Mr Rupert Murdoch for Times Newspapers. Mr Harold Evans, former editor of The Times, says in his book, Good Times, Bad Times, that when Mr Biffen took his decision not to refer the bid to the Monopolies and Mergers Commission, the minister failed to recover £4.6m of Sunday Times revenue and a £700,000 profit.

They had been fully aware of the £4.6m revenue figures, but because they were not related to The Sunday Times newspaper activities they had not been relevant to the statutory test under which he had to judge whether the paper was economic "as a going concern and as a separate newspaper".

'Grants not being made up'

By Lucy Hodges

Almost half of all students who should be having their maintenance grants made up by their parents are not being given this money and are worse off than young people on the Youth Training Scheme, the National Union of Students said yesterday. A £50,000 survey commissioned by the union, which submitted a claim for a £5 a week increase in grants, for next year shows that students are feeling the pinch.

Crown to appeal against ruling that parents cannot kidnap children

By David Hewson

The Crown is to seek leave to appeal against a ruling yesterday that parents cannot, in law, kidnap their own children.

The Court of Appeal yesterday quashed the convictions for kidnapping and contempt of court of a New Zealand man who twice snatched his daughter from his former wife.

A senior appeal judge, Lord Justice Watkins, said that Mr Ian Dailly's case was a serious example of the deliberate flouting of High Court orders by a father, but he should never have been convicted of the criminal offence of kidnapping.

The decision was criticized by the Children's Legal Centre, which was set up in 1979, The Year of the Child, to deal with matters of law relating to young people.

The Court of Appeal ruled that Mr Dailly should not have been tried at the Central



Lord Justice Watkins: 'Father should not have been convicted.'

Criminal Court for contempt and taking his daughter away from her mother, in what is thought to have been the only case of a parent being charged with kidnapping his child.

The correct course which should have been pursued was for Mr Dailly to be brought before a High Court Family Division judge, the court said.

It set aside a two-year suspended jail sentence which was passed on May 18 last year. The Crown is to seek leave to

appeal to the House of Lords against that ruling.

Mr Dailly did not challenge a further conviction of falsely imprisoning his former wife at an address in Harold Hill, Essex, before taking their daughter Emma to New Zealand in 1978. He was given a two-year suspended sentence on the false imprisonment charge.

The appeal judges ruled that, as a general conclusion, there was no such offence as the kidnapping of a child under 14, even by someone who was not the child's parents. The act would be covered by the charge of child stealing.

They also ruled that the offence of kidnapping could not be committed by a parent who took a child under the age of majority, unless the child had lawfully married and passed out of the responsibility of the parents.

Lord Justice Watkins said that the jurisdiction of judges to punish for disobedience of court orders on children, regardless of whether they were wards of court, was extensive and powerful. Parliament had never intended that a mother or father should be prosecuted for child stealing.

Law Report, page 28



In accord: Nine brass players from Bordeaux are combining with six British players to give their first concert in Britain tonight at St John's, Smith Square, central London. The Brass of Aquitaine and London, formed by its conductor, Richard Harvey, when he was teaching at Bordeaux University, includes nine lecturers in music. Mr Harvey has written some of the music for tonight, which will also include works by Monteverdi, Purcell and Copland. (Photograph: Orde Etison)

Pacemaker surgeon says patients may die due to NHS cuts

By Thomson Prentice, Medical Reporter

Some patients requiring heart pacemakers may die as a result of the "domino effect" of National Health Service cuts, a leading surgeon said yesterday.

Dr Richard Sutton, consultant cardiologist at Westminster Hospital, is a recognized expert in heart pacemaker implantation, who performs an average of four such operations a week.

However, because of budgetary restrictions he has only 40 pacemakers left until next March. He added: "I anticipate I will need another 50, which represents a cost of £100,000, by January."

"The situation is approaching where some patients will not be able to get them, and some of them will die," he said. Dr Sutton said that the pacemaker unit at the Westminster Hospital was under increasing pressure because hospitals in other areas were referring more patients to him. "The DHSS is forcing cuts and closures affecting pacemaker operations elsewhere. Those patients have to be sent somewhere, and they are coming to us. The cuts have a domino effect," he said.

The Westminster Hospital is considered to be one of the leading pacemaker units, it has contributed to the research and development of the most advanced versions of the equipment. However, as a result of that work the cost of a pacemaker has increased to about £2,000.

The pacemaker budget allocated to the Westminster for the financial year that began in April was £230,000. Dr Sutton said he needed another £100,000 before the end of next March, and would then be seeking £350,000 as the allocation for the next year.

Mr Trevor Patchett, the deputy district administrator of the Victoria Health Authority, which includes the Westmin-

ster, said: "This authority is being asked to save £2.65m next year, at a time when demands for its services are growing."

He is quite right about the domino effect. We are getting more and more referrals of patients because of cuts elsewhere, and are trying to cope with them while facing cuts of our own."

Lack of NHS funds led to the death of six year old girl it was learnt yesterday. The girl, named Anne Marie, was denied a bone-marrow transfusion at the Westminster Children's Hospital because the cost of the operation was £7,000 and funds were short. It was decided that other patients stood better chance of success.

That decision was disclosed last week when Princess Anne launched a special appeal to raise money for a new 10 bed bone marrow unit at the hospital.

In another aspect of health a service cuts, a group of general practitioners were granted a temporary injunction in the High Court yesterday to prevent the closure of the cottage hospital, the Northwood and Pinner.

The hospital was due to close yesterday but it has been occupied by staff since last week. About 20 patients are still receiving treatment there. At the Hayes cottage hospital near by a similar occupation is continuing.

The injunction means the closure of the Northwood and Pinner hospital will be postponed at least until Friday when the case returns to court.

Trade unions in the NHS have told the Government that the country faces the "inescapable burden" of growing expenditure on health care with more not less staff needed to meet the growing demands placed on the service (Our Labour Correspondent writes).

Two million letters arrive late

By David Cross

More than two million letters arrive late on any given day, according to the Post Office Users' National Council in a report published yesterday.

Only 85.8 per cent of first-class letters and 92.3 per cent of second-class letters arrived on time, the council said in its annual report of the Post Office's activities in the 1982/83 financial year. The Post Office's own targets are 90 and 96 per cent respectively.

This level of lateness is unacceptable, the council, the official watchdog of the Post Office's services, said.

The council said that it conducted test surveys that

highlighted problems on specific routes and in particular sorting areas. The results showed that mail posted at the same time and received different time stamps and in one instance some first-class items were not date-stamped until the next day.

The council called on the Post Office to further investigate problems affecting the quality of service and in particular to identify the black spots in the system.

Responding to the council's criticisms, a Post Office spokesman said yesterday that improvements have been made in its mail delivery. The latest

figures covering the period between July and September of this year, showed that 88.7 per cent of first-class mail and 93.8 per cent of second class mail was reaching its destination on time.

The Post Office was also urged to speed up the introduction of new counter technology, particularly the installation of computer terminals.

The council conceded that the complexity of introducing a comprehensive computer system to handle the full range of counter services given that there are at present about 150 different types of transaction. The cost would be huge since the Post Office has indicated that it would probably need 50,000 terminals positioned at between 15,000 and 20,000 different locations.

Finally, the council expresses its concern at the fall in the number of Crown and sub-post offices during the past 10 years. During the last financial year, for example, 121 sub-postoffices had opened, compared with 216 that closed.

A sizable proportion of sub-postoffices that closed had not been replaced because of the difficulty of finding suitable applicants with suitable premises.

DELIVERY TARGETS: How the Post Office is doing		
TARGET	90% of first class by next working day	96% of second class within 3 working days
1980-83	86.4%	92.3%
1980/1	86.4%	92.3%
1981/2	84.3	91.7
1982/3	85.8	92.3
Quarterly (82-83)		
Apr to Jun	85.0%	91.5%
Jul to Sep	82.7	91.0
Oct to Dec	87.8	94.1
Jan to Mar	87.9	93.2

Nilsen showed desire to kill, psychiatrist says

Dennis Nilsen had an "overwhelming desire to kill" and planned the deaths of his victims purposefully and without anxiety, a jury at the Central Criminal Court was told yesterday.

Dr Paul Bowden, a psychiatrist called by the prosecution, described Mr Nilsen's behaviour as extremely abnormal. "Statistically someone who kills 15 or 16 men is a very rare animal," he said. But he disagreed with the defence evidence that it showed a severe personality disorder.

Mr Nilsen, aged 37, of Cranley Gardens, Muswell Hill, denies six charges of murder and two of attempted murder. He has admitted to the police dismembering, boiling and burning the bodies of his young victims and the defence is seeking a verdict of manslaughter on the ground of diminished responsibility.

Dr Bowden, consultant forensic psychiatrist at the Bethlem Royal and Maudsley Hospital and visiting psychiatrist at Brixton prison, disputed defence suggestions that Mr

Nilsen had treated his victims as objects and lacked remorse.

He said Mr Nilsen tried to hide his feelings despite confusion and sadness at what he had done. During one interview at Brixton tears had filled his eyes as he was questioned about the "quite frightful" strangling and drowning of John Howitt in December 1981.

"He was about to start crying," Dr Bowden said. "He spoke to me about him never being able to show his feelings to anyone. Then he walked out of the room."

He told the court that he accepted Mr Nilsen's own version of his motives: an overwhelming desire to kill, the sense of power killing gave him, and the wish to transfer the feelings of criminality he had about his homosexuality to the killing.

He said he could find no support for defence evidence of abnormal sexual behaviour with the bodies of his victims, isolation, alcohol abuse, identity of relationship problems.

The hearing continues today.

Cigarette 'glamour' attacked

By Our Medical Reporter

The British Medical Association wants stricter controls on the "insidious approach" of some cigarette promotions. It claims that they exploit a loophole in the advertising code of conduct.

The association accuses manufacturers of flouting the spirit of the Advertising Standards Authority's ethical code by linking cigarette brands with sporting events and other activities which by implication "depict smoking in a glamorous light".

In the *News Review*, a newspaper sent to doctors, the association says that the advertising authority's cigarette code bans advertisements which glamorize smokers, but allows cigarette names to be used to promote non-tobacco products and activities.

It cites the John Player Special brand, which has its own racing car and markets sportswear.

It also names the Kim brand. "The brand's colours, of browns pinks and yellows on a white background, depict a healthy, sporty, clean-cut image for the independent woman", the association says, adding that the brand is linked with promoting umbrellas and bags in the same colours.

The association says young adults are the main targets of cigarette companies. "If they adopt the smoking habit early, they could remain life-long consumers. It is this age group which most readily responds to the glamour images."

The BMA's latest call comes after publication of a survey by the Office of Population Censuses and Surveys which indicated that more than a quarter of children are smoking by the time they reach their fifth year in secondary school.

In a separate initiative, a senior lecturer in health education has written an open letter to Mr John Patten, Under Secretary of State at the Department of Health and Social Security, urging his to take tough anti-smoking measures.

In his letter, published in the *British Medical Journal*, Mr Mike Daube, of the department of community medicine at Edinburgh University, says that cigarette smoking kills more than 90,000 people in Britain

Battered wife who killed her husband is freed

A battered wife who shot dead her violent husband was freed yesterday by a judge at the Central Criminal Court, after spending six months in jail on remand.

The decision by the Common Serjeant, Judge Tudor Price, was greeted with cheers and applause from relatives of Mrs Celia Ripley in the packed public gallery.

The court was told that Mrs Ripley, aged 34, killed her husband with a shotgun blast as he stood drinking in the Derby Arms public house in Croydon, on April 26.

She had told the warden of the battered wives' hostel where she was living that she intended to shoot her husband, but her "cry for help" was ignored.

The judge gave Mrs Ripley an 18-month suspended sentence and ordered her to be supervised by a probation officer. "The public interest does not require you to be imprisoned further", he said.

Mrs Ripley wept as she was released with her sons, Mark and Henry, outside the court and said: "Today and the day I killed my husband will be on my mind for the rest of my life."

How I pray to God that someone had taken me seriously and stopped me."

The court was told that her husband, Mr Mark Ripley, aged 38, was a gypsy scrap dealer and a feared bare-knuckle fighter.

Mr Michael Coombe, for the prosecution, said Mrs Ripley suffered violence from him over many years. He broke her nose and ribs, threatened to shoot her and forced her to take part in distressing sexual practices.

After going to live in a battered wives' hostel in Pease-pool-east London, she showed the warden her husband's shotgun and said she planned to shoot him.

The warden was sufficiently alarmed to tell social workers, but nothing was done. The warden was baby-sitting for Mrs Ripley when she drove to the public house to carry out her threat.

Mr Neville Sarony, for the defence, said Mrs Ripley had asked for attention but no one had taken her seriously. Mrs Ripley pleaded guilty to manslaughter. Her denial of murder was accepted on the ground of provocation and diminished responsibility.

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ENERGY EFFICIENCY OFFICE

Brittan condemns picket violence as organized anarchy

NGA DISPUTE

The violence on the picket line outside the Warrington printing works of Messenger Group Newspapers last night was condemned by Government and Opposition spokesmen in the Commons...

What action will the Home Secretary take as a member of the Cabinet to get the parties to the dispute round the table to sort out their differences by the time-honoured process of negotiation and conciliation?

Mr. Ronald Lightman (Newham North East, Lab) asked Mr. Brittan whether he would be a strong supporter of the new and controversial legislation which had produced a judgement now out of control...

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No need for alarm over radiation

There is genuine anxiety among many people on the West coast of Scotland at the possible link between the increased level of radioactivity in coastal waters and apparent increases in the level of leukaemia among young people...

Why no holiday in satellite Scotland

There was laughter during exchanges at Scottish question in the Commons about the possibility of declaring St Andrew's Day (today) a public holiday in Scotland...

Decision on freeports early next year

A Government motion welcoming progress made in restructuring and strengthening the Scottish economy was carried in the Commons last night...

No action by Greece over graves

Although the names of people who had decorated the grave of the Noel-Baker family in Greece were known, no action had been taken against them by the authorities there...

Parliament today

Commons (2.30): Debates on the proposed extension of the Copyright Act, European social fund and the dispute between Messenger Group Newspapers and the NGA...

Advertisement for 'The Buchanan Blend' whisky. Features a bottle of whisky, a quote 'HAPPILY, THE BUCHANAN BLEND IS STARTING TO SHOW ITS AGE.', and text describing the whisky's quality and history. Includes a small ad for 'Home-ownership up 5 per cent under Tories' and 'House of Lords'.

Syria insists on Lebanon ditching its peace treaty with Israelis

From Robert Flak, Beirut

As leaders of Lebanon's principal militias and political parties gathered in Geneva last night for their first meeting in more than eight years of mutual and savage hostility, Syria was insisting that the Lebanese President and the other delegates to the National Reconciliation Conference here should start their talks by discussing the destruction of the unofficial peace treaty between Lebanon and Israel.

President Amin Gemayel had been hoping to postpone the topic until the end of the conference, but Mr Abdul Halim Khaddam, the Syrian Foreign Minister, emphasized at a private meeting with the pro-Syrian Lebanese National Salvation Front yesterday morning that the abrogation of Lebanon's treaty with Israel was a prerequisite for the success of the conference.

Mr Gemayel was under no illusion last night that Syria represents both the immovable object and the irresistible force behind the conference: with three Lebanese leaders - Walid Jumblatt, Suleiman Franjeh and Rashid Karami - on his side, Mr Khaddam can virtually dictate the agenda.

This appears to be exactly what he did when he gave lunch to the Lebanese opposition triumvirate at the home of Mr Issam Farris, a wealthy Lebanese businessman, in Geneva shortly before the conference began.

In his opening address last night, President Gemayel lashed repeatedly of what he called "the conspiracy" against Lebanon, and emphasized the importance of the 1943 agreement that gave Lebanon its Christian Mafanite presidency and power-sharing Government. But he implicitly acknowledged the security interests of Lebanon's neighbours, and in an apparent reference to Syria, added that Lebanon could not "act independently of its environment and brethren when the issues of war and peace in the region are at stake."

Mr Gemayel, who significantly thanked the Saudis for more fulsomely than the Syrians in his speech, told his political allies and rivals: "Our country is dying... destruction affected us equally. It took our property and our belongings... and from each of us it snatched a brother, a son, a companion, a friend, a loved one". Mr Gemayel did not say that this was Lebanon's last chance, but he probably meant it.

The men who have alternatively made and broken Lebanon over the past eight years arrived at the Intercontinental Hotel here in a style that quite belied their ruthless militia origins, for the most part a series of waistcoated, dark-suited men with grey hair who might have been mistaken for genial elder statesmen.

A group of Druze and Phalangist officials - bloody adversaries in their own country - met by chance in the hotel lift during the morning and spent several seconds staring at each other with palpable suspicion until one of the Phalangists held out his hand with the words: "Hello, pal, how are you?"

The Druze had spent much of the morning complaining about the Swiss security arrangements for Mr Jumblatt, although the Druze leader - who had last been seen climbing into a golden Mercedes at Montreux with two extremely attractive blondes - did not at first appear to share this concern.

Nor did Mr Nabih Berr, the Shia Muslim "Amal" militia leader, who took his bodyguards out boating on Lake Geneva. But when Mr Jumblatt arrived in the foyer of the conference hotel last night he argued with Swiss security police, pointedly refusing to walk through a metal detector.

By five o'clock the nine principle delegates had decided to sit at a rectangular table layout. All apparently decided that they would not shake hands before sitting down, an agreement that did not take long to reach. None was reported to have noticed the name of the conference suite in which they gathered: *La Salle de Carnaval*.

Druze rebels in mountain fight with Army

Beirut (Reuters) - The Lebanese Army clashed with Druze-led insurgents in the mountains east of Beirut yesterday, before the start of reconciliation talks in Geneva, shattering a rare calm on the battlefronts.

Military sources said the fighting, with artillery and machine-guns, started just before noon around Lebanese Army positions in the strategic mountain town of Souk al-Gharb, breaking the ceasefire after a 24-hour lull.

The sources said about 50 shells were fired into the area, at the rate of one shell per minute.

Souk al-Gharb, seven miles east of Beirut, bore the brunt of the fighting between the Army and Syrian-backed anti-government forces in September.

UN puts pressure on Iran over Hormuz

From Zoriana Pysariwsky, New York

The UN Security Council yesterday affirmed the right of free navigation and commerce in the international waters around the Gulf and called upon Iran and Iraq to end the war which could limit access to sea-lanes.

Twelve members voted for the measure to try to stop Iran carrying out its threat to close the Strait of Hormuz. There were no votes against, but Malta, Pakistan and Nicaragua abstained in what was largely a French-inspired and strongly promoted campaign.

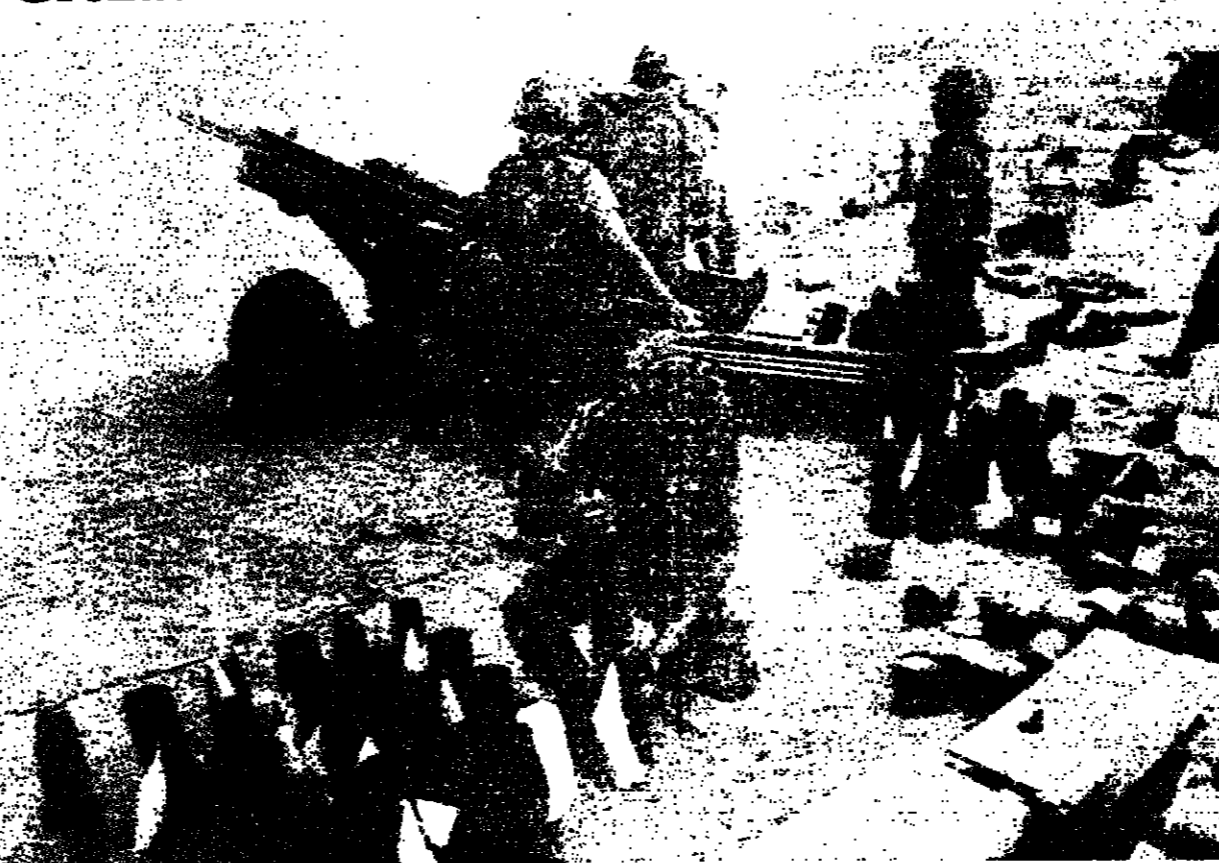
The resolution also condemns implicitly Iraq's military operations against civilian targets in Iran and calls on the two sides to refrain from any action that might endanger peace and security as well as marine life in the Gulf region.

● TEHRAN: Iran sealed off one of three sources of the leak which has been allowing 2,000 gallons of oil a day to flow into the Gulf from the Now Ruz field since March, when it was bombed by Iraq (Asahi News Service reports).

Iran had no help from industrially advanced countries in sealing the leak in an operation which took 40 days.

● BAGHDAD: Iraq said its Navy and Air Force had destroyed three Iranian naval vessels near the Iranian port of Bandar Khomeini at the head of the Gulf and two others had been wrecked by Iraqi mines round the port (Reuters reports).

Grenada: Invasion island still centre of dispute



Shells away: Field guns of the American 82nd Airborne open fire during an operation in Grenada.

Hawke refuses to send troops

From Tony Duboulin, Melbourne

The Federal Government has ruled out any participation by Australian forces in a proposed Commonwealth peacekeeping force in Grenada and at the same time has come out against American intervention.

The decisions reached at a Cabinet meeting in Canberra yesterday are a significant hardening of Australia's attitude to the situation in Grenada.

Initially Australia took an equivocal position with Mr Bill Hayden, the Foreign Minister, simply saying that Australia would be "uneasy and discomforted" if the intervention proved to be an external solution to an internal problem.

However, after yesterday's Cabinet meeting, Mr Hayden said that Australia had been consulted by the United States before it intervened in the Caribbean, it would have argued against it. It is understood Mr Hayden has all along favoured a stronger line against American intervention than Mr Bob Hawke, the Prime Minister.

Yesterday Mr Hayden said that it was "hard to justify the use of force, certainly before all other possible courses of action had been exhausted".

While acknowledging the possible risk to foreign citizens in Grenada, yesterday's Cabinet statement failed to mention many of the other concerns raised by President Reagan.

Australian officials are expressing increasing concern that 3,600 American troops have not yet been able to flush out a few hundred Cubans.

● WELLINGTON: The Cabinet yesterday stopped short of formally endorsing the US invasion of Grenada but accepted that Cubans had been constructing a military installation there that could have been destabilizing to the security of the region (W. P. Reeves writes).

Mr Robert Muldoon, the Prime Minister, indicated that New Zealand would be prepared to contribute to a peacekeeping force, if this were requested by the Commonwealth.

Secret vote led to fall of Bishop

From Mohsin Ali, Washington

A Grenadian Embassy official in Havana has said that the events which led to the death of Mr Maurice Bishop on October 19 began at a secret meeting in Grenada in September.

The Central Committee of the New Jewel Movement, Mr Bishop's party, said he would have to share leadership with Mr Bernard Coard, the Deputy Prime Minister.

The Grenadian official, told *The New York Times* in Havana that the committee decided on September 14 to allow Mr Bishop to continue as head of state. But Mr Coard would privately assume control of the economy and party matters.

The official said Mr Bishop then tried to float a rumour on Grenada that Mr Coard and his wife, Phyllis, also a Central Committee member, were trying to kill him.

The party decided to place him under house arrest on the pretext that counter-revolutionaries might try to kill him.

Trinidad says: 'We were not told'

Trinidad and Tobago complained yesterday that the Organisation of Eastern Caribbean States (OECS) had failed to consult it over the American-led intervention in Grenada (AFP reports from Paris).

The Education Minister, Mr Overland Padmore, said this was because it had earlier indicated it opposed force. He told the Unesco conference: "It is probably because our position did not conform to that of the OECS that we were not consulted."

● HAMBURG: Two West German students just back from Grenada said they saw no evidence that the foreign community felt threatened by the island's military rulers after the shooting of the Prime Minister, Mr Maurice Bishop (Reuters reports). "The foreigners did not feel under threat or

in danger, even during the curfew until the invasion.

● LONDON: Mr Ron Brown, Labour MP for Edinburgh, Leith, called on the TUC to back a boycott of the 1984 Olympic Games in Los Angeles in protest against the American invasion of Grenada. He urged the TUC to follow the example of Australia's largest union, the Engineering Workers, which had already suggested a boycott.

Damage to new airport feared

By Rodney Cowton, Defence Correspondent

The new airport at Point Salines in Grenada (right), the military potential of which has been causing the Americans concern, appears to be comparable with the civil airports in neighbouring islands.

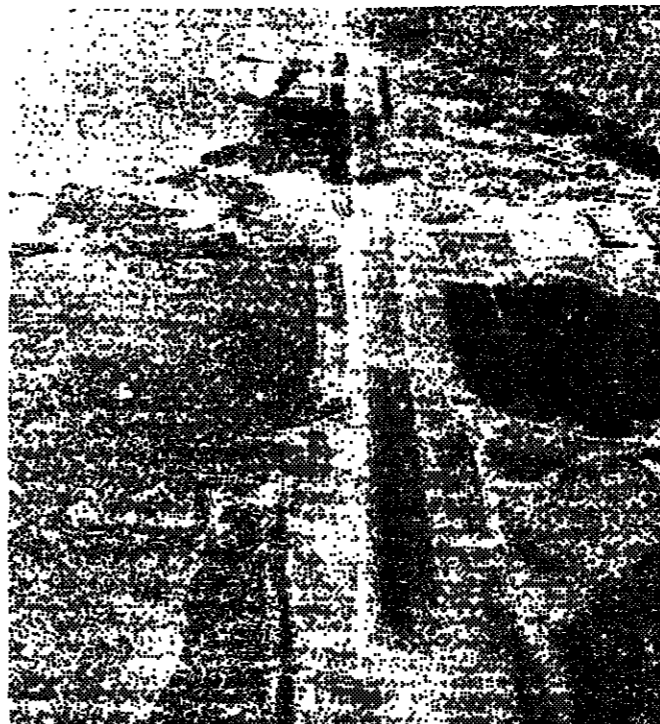
The idea of building a new airport to replace the limited facilities at Pearls in the north of the island has been talked of for nearly 20 years, and but for the American invasion it would have opened on March 13 next year.

It is said that before the American action about 85 per cent of the civil engineering and building work, being done largely by Cubans, was complete, while about 60 per cent of the technical equipment by Plessey Airports had been finished.

However, people familiar with the project fear that work will have been greatly set back through premature use of the airport by the Americans.

The airport will have one runway, 9,000ft long, said to be very close to the minimum length from which wide-bodied jets can operate.

It will not have radar, but will have a number of navigation aids, including a non-directional beacon and a VOR,



which is a short-range radio navigation aid.

All these facilities appear to be directly comparable with those at the international airports on Antigua, Barbados, St Lucia and Trinidad, though Barbados has a longer runway of 11,000ft and Trinidad one of 10,500ft. Both Barbados and Trinidad already have instrument landing systems.

A spokesman for Plessey Airports said the terminal facilities had been designed to enable it to cope with one wide-

bodied jet with about 350 passengers at a time.

When the People's Revolutionary Government seized power in March, 1979, it made efforts to raise the necessary funds through the International Monetary Fund and other sources. The Americans refused support for the project, but the British backed the £6.5m contract won by Plessey.

The EEC provided support for a number of projects on the island.

Lay-down-arms call by Sir Paul

The radio address given by Governor-General Sir Paul Scoon in St George's on October 28 was:

Fellow Grenadians: I speak to you today as your Governor-General and as one who has great faith in the Grenadian people. I am confident that you will find the courage to put those tragic events of the past two weeks behind you and join with me in the task of restoring your country to its normal, peaceful way of life. At this trying period of our country's history, we must be guided by thoughts of reconciliation, forgiveness, and reconstruction. Our energies must be devoted to restoring the process of democratic life through freedom and human dignity to all our people.

At the same time, we must insist on high standards of morality in public life. There is no need here for me to enumerate the tragic and un-Grenadian events which led to the death of Prime Minister Maurice Bishop and three of his Cabinet colleagues.

Innocent men, women, and children were also killed or injured. To say the least, I was deeply saddened and I shall like to extend heartfelt sympathy to the bereaved families. The killing of Prime Minister Bishop and the subsequent control of our country by the People's Revolutionary Army so horrified, not only Grenadians but the entire Caribbean, the Commonwealth and beyond, that certain Caribbean states, with the support of the United States of America

decided to come to our aid in the restoration of peace and order.

Of course, intervention by foreign troops is the last thing one would want for one's country. But in our case, it has happened in deteriorating circumstances, repugnant to the vast majority of the people of Grenada, the people who live and work here, and of whom I am well advised have welcomed the presence of these troops as a positive and decisive step forward in the restoration, not only of peace and order, but also of full sovereignty that's enabling our democratic institutions to function according to the expressed wishes of the Grenadian people at the earliest possible time. Sad to say, it is now known that the People's Revolutionary Army, the PRA, had in its possession an incredible amount of foreign sophisticated weapons.

I wish to thank the countries involved for coming to our assistance so readily and I call upon you, the people of Grenada, to give your fullest cooperation to the peacekeeping force in our country. Col. Barnes of Jamaica has been appointed commander of the peacekeeping force. In these difficult times, I would endeavour to do my best, as I have done in other circumstances since my appointment as Governor-General on September 30, 1978.

It is my intention in the next few days to appoint in my own deliberate judgment, a representative body of Grenadians to assist as

an interim measure in administering the affairs of our country. This administration will comprise persons of integrity and ability. Let it be clearly understood that this will not be a bad administration of politicians. This interim administration will provide us with the necessary breathing space to enable arrangements to be made for an early return to full constitutional government by way of general elections.

All government employees must report to work on Monday, October 31, and I hereby ask the business community to reopen their doors to the public as from today. Schools will reopen on Monday morning, October 31. Meanwhile, in order to facilitate the work of the peacekeeping force who will be on patrol at night and for your own safety and protection, I urge you to stay indoors from eight o'clock in the evening until five o'clock in the morning until further notice.

In conclusion, I hereby direct the members of the People's Revolutionary Army and the militia, who are still armed, to lay down their arms. You will be told shortly when and where you should hand in those arms prior to the formal disarmament of the army. I wish to assure you that every precaution will be taken for your personal safety, like any other Grenadian citizen.

Ladies and gentlemen, the task ahead is difficult, but I know with your cooperation and God's help, we shall succeed. May God bless you all.

France frees Libyan

Paris - France has released an alleged Libyan terrorist, Mr Said Rachid, who is wanted by Italy in connection with the murder of five opponents of Colonel Gaddafi's regime (Dina Goddess writes).

Mr Rachid was allowed to fly back to Libya after the Appeal Court in Paris ordered his release from prison, where he had been detained since his arrest on October 7.

The court explained that no extradition request had been received from Italy within the 20 days laid down in the Franco-Italian Treaty of 1870 and that France itself had no case against the Libyan.

Kuwait buys Hawk jets

British Aerospace has received an order thought to be worth about £70m to supply 12 Hawk military jet aircraft to Kuwait within about two years.

Kuwait is expected to use the Hawk as an advanced trainer, but also operationally in air defence and ground attack roles.

Still searching

Hongkong (AFP) - Chinese ships have picked up a radio transmitter and four life-vests from the US oil drilling ship Glamor Java Sea, missing in the South China Sea for nearly a week. No survivors have yet been found, but the search continues.

Long way round

Brisbane (Reuters) - The 40-year-old Australian long-distance runner, Ron Grant, a bread salesman, arrived exhausted to a hero's welcome after running 10,364 miles around Australia in 217 days. He wore out 14 pairs of shoes.

Corn shortage

Harare (AP) - Zimbabwe, one of Africa's few food exporters, has been forced to ration maize and wheat after two years of devastating drought. The Government said yesterday.

Record crop

Peking (Reuters) - China will harvest a record grain crop this year, beating last year's record of 353.43 million tonnes, according to Mr Tian Jiyun, a Deputy Prime Minister.

Switch to TV

Sydney (AP) - Mr Geoffrey Whitehead, the British Director-General of Radio New Zealand, has been appointed managing director of Australia's National radio and television network.

Kohl in Japan

Tokyo (Reuters) - Chancellor Helmut Kohl of West Germany arrived last night on a four-day official visit.

Shorter week

Budapest (Reuters) - Hungary's Communist Government has ruled that some factories can cut their employees' working week to 40 hours.

China visit

Peking (AFP) - Mr Gaston Thorn, president of the European Commission, is due here today for a five-day visit.

Superbloom

Tours (Reuters) - An amateur gardener M Francois Santini, says he has beaten his own world record for a chrysanthemum - 688 flowers on a single plant. He owns a fertilizer company.

Supertree

Peking (AP) - A large evergreen tree, dating back to the age of the dinosaurs 150 million years ago, has been unearthed in Sichuan province. The fossil has a trunk 22ft and up to 32in in diameter.

WINDSCALE

HOW SAFE IS IT?

Windscale is the biggest nuclear fuel reprocessing plant in the world. It pumps millions of gallons of nuclear waste into the Irish Sea. But how safe is it? In a special report First Tuesday presents new evidence of Windscale's impact on the environment and the health of the local people.

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Joint action with US can turn Lebanon into island of tranquillity, says Shamir

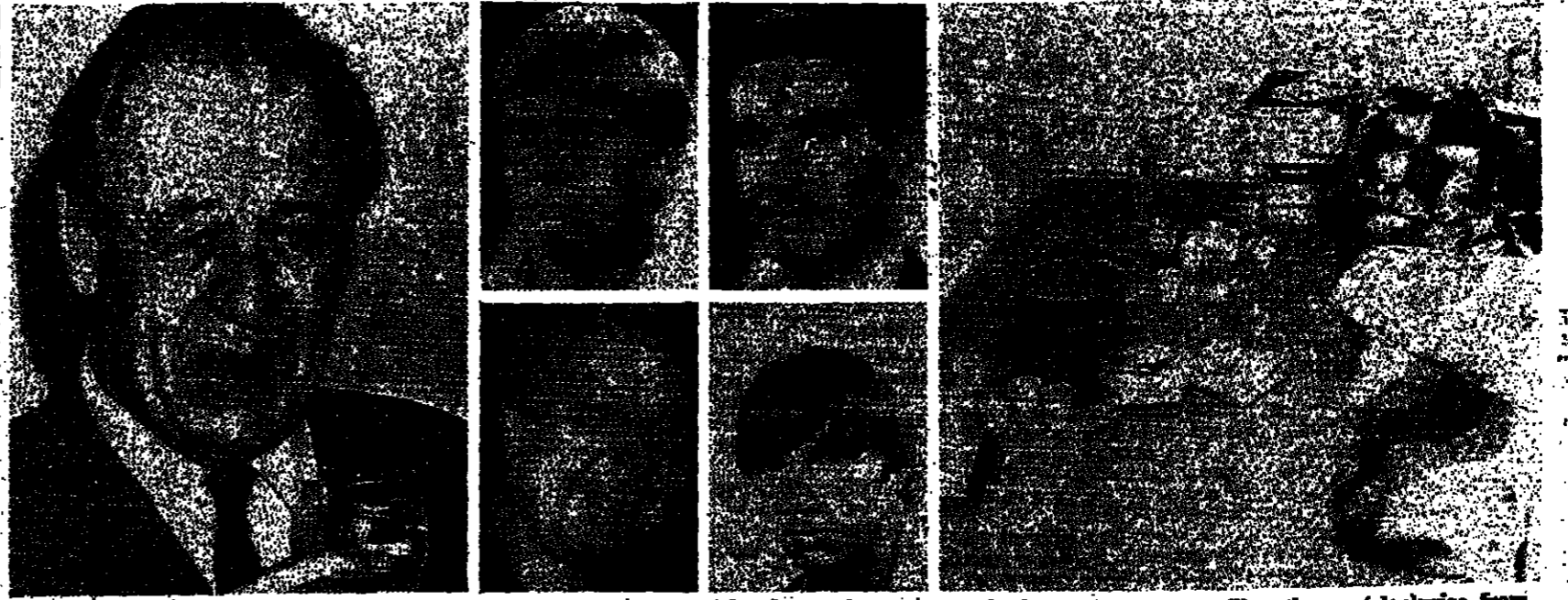
From Mohsin Ali, Washington

Mr Yitzhak Shamir, the Israeli Prime Minister, said yesterday that Syria could and must be persuaded that its designs on Lebanon would not be permitted to take place.

He said in a prepared speech to the National Press Club: "A Syrian takeover of Lebanon would have a devastating impact on the entire region, on the chances of peace, and on Soviet influence throughout the Middle East. Conversely, the achievement of a free and independent Lebanon will be a boost to the peace camp and to the influence of the free world in our part of the world."

President Reagan and Mr Shamir after two days of talks had announced the setting up of a joint United States-Israeli political-military committee for strategic cooperation in such areas as combined planning, joint manoeuvres and the stockpiling of American equipment in Israel.

Mr Shamir, in his prepared text yesterday, said that, in spite of the ravages perpetrated by the terrorists and the Syrians, Lebanon could still be saved



Kidnap drama: Mr Alfred Heineken, holding a refreshing glass of his famous lager; centre, the four main suspects still on the run (clockwise, from top left: C. van Hout, F. Meijer, W. F. Holleeder and R. Griffhorst); and the hidden cell, where he was held since November 9.

and become an island of tranquillity in the eastern Mediterranean.

He said that the United States Marines in Lebanon, together with the other soldiers in the multinational force, were "an important contribution to stability that is consonant with the role that the United States is playing against totalitarian aggression."

While in Israeli believe that close cooperation between the United States and Israel can go a long way towards securing our common goals, which are a free and independent Lebanon, the withdrawal of all foreign forces, including terrorists, from Lebanon, and the implementation of the Israel-Lebanon agreement of May 1981, Syria can, and must, be persuaded that its designs on Lebanon will not be permitted to take place," Mr Shamir said.

The crucial question of the withdrawal of all Israeli, Syrian and PLO forces from Lebanon will be discussed by President Gemayel of Lebanon and President Reagan at White House talks here today.

Mr Shamir said that peace

Floating HQ for America's Gulf force

From Our Own Correspondent, Washington

The US Rapid Deployment Force (RDF), which is responsible for protecting American interests in the Gulf and the Indian Ocean area, is establishing a small forward headquarters on a navy ship stationed in the region.

The RDF now comes under the US Central Command. This has its main headquarters at MacDill Air Force base at Tampa, Florida. It can draw on a pool of about 230,000 Army, Marines, Air Force and Navy personnel for rapid deployment in a region covering some 20 nations.

Pentagon officials said that the new 20-man forward headquarters would be based on the LaSalle, the command ship of the Navy's Middle East force. This has about five ships in the Indian Ocean and the Arabian Sea. The LaSalle is an old amphibious transport converted into an auxiliary command ship.

The United States had been seeking a land-based forward headquarters but had not won acceptance from any of the pro-American Governments in the region.

US forces regularly hold joint exercises with those of Egypt, Sudan, Somalia and Oman. There is also extensive US military assistance to Saudi Arabia and Gulf states.

Returned prisoners attacked

From Moshe Brilliant, Tel Aviv

Six Israeli prisoners of war who were exchanged last week for some 4,500 Arabs were publicly criticized this week by military and civilian figures in a backlash against their triumphant homecoming reception.

Lieutenant-General Rafael Eitan, who was chief of staff when they were captured in Lebanon on September 4 last year, said that the military command should consider court-martialing them, he said that the six and two others still in captivity, had surrendered without putting up a fight although they had outnumbered their captors.

Addressing the Rotary Club in Tiberias, General Eitan added that they had conducted themselves disgracefully

Israel to resettle Arabs in West Bank and Gaza

By Edward Mortimer

Details of an Israeli plan to resettle Arab refugees in the occupied territories were disclosed in London yesterday by Mr Mordechai Ben Porat, the chairman of the Israeli ministerial commission on the refugee problem appointed last year.

Speaking at the second international conference of the World Organization of Jews from Arab Countries Mr Ben Porat said that Israel aimed to rehabilitate "within its boundaries" the Palestinian refugees, "whose situation has been perpetuated over the past 35 years of the Arab states."

His detailed exposition of the plan made it clear, however, that the boundaries in question were those of "greater Israel", including the West Bank and the Gaza Strip, and that Israel aimed to resettle only those refugees already within the area

under its control, not those at present in the Arab states.

The minister said that 40,000 Palestinian Arabs were permitted to return to Israel after 1949, and a further 70,000 refugees were allowed back into the occupied territories after 1967. This was already "a big contribution of the state of Israel to solve this problem."

The political aspect of the problem was "bound up with the overall Arab-Israeli conflict and, therefore, can be resolved only when Israel's neighbours follow Egypt's example and negotiate a peace treaty with Israel."

This would be done by the following:

- Establishing new housing quarters for the population, aimed at improving living conditions for all the refugees over a five-year period.
- Bringing the camps within neighbouring municipalities or giving them municipal status in their own right.
- Allotting land, and financial aid to a "Build Your Own Home" programme.

Gradually integrating the educational facilities of the United Nations Relief and Works Agency (UNRWA) into Israel's national school network.

- Taking all these steps "in full co-ordination" with UNRWA.

Spacelab furnaces create new alloys

Houston (AP) - Astronauts turned the European Spacelab into a factory yesterday, firing up three powerful furnaces to melt and mix metal samples and create exotic alloys impossible to manufacture on Earth.

The furnaces, generating heat of up to 3,800°F melted silver, aluminium, zinc and gadolinium causing them to mix in different combinations and become exotic alloys.

Experts hope the experiments will lead to development of space factories where molten metals could be mixed to create alloys with unique properties. Many such alloys are impossible to make on Earth because gravity causes the molten metals to separate.

Germans fight for manuscript

Hamburg (Reuters) - Residents of Brunswick have raised more than 400,000 marks (£100,000) in a bid to buy back a 12th-century illuminated manuscript depicting the life of Henry the Lion, Count of Saxony and Bavaria, to be auctioned in London next Tuesday.

The Land government of Lower Saxony plans to add whatever else is needed to regain it. A price of more than £2m is expected at the Sotheby's sale.

Brake failure

Cairo (AFP) - A Sudan Airways Boeing 727 crashed into three service vehicles at the airport here while carrying out braking tests in a parking area. The vehicles were destroyed by fire.

Oil sale blocked

Los Angeles (Route) - A federal judge has blocked the United States Government's sale of oil-exploration leases off the California coast on the grounds that irreparable damage would be caused and it would be against the public interest.

Spider hunt

Sydney (Reuters) - Posters showing portraits of the black, two-inch long, funnel web spider - one of the world's deadliest - went up here asking people to look out for it so that scientists can extract its venom and develop a vaccine against it. In 20 years it has killed 16 people in the area, its only habitat.

Top jurist

Tel Aviv - Mr Justice Meir Shamgar, who acquired his law degree from London University while interned in a British detention camp in Kenya from 1944-48 as an Irgun Zvai Leumi terrorist, has been installed as president of the Israeli Supreme Court.

Short sighted

Moscow (Reuters) - A large opticians' centre recently opened here has teams of specialists, the latest eye-testing equipment and sumptuous chairs for people awaiting treatment but no glasses. The newspaper *Trud* complained. It would be 1985 at the earliest before this state of affairs improved.

Fighting flares in Beirut as Gemayel flies out

From Our Correspondent, Beirut

Sporadic fighting flared in Lebanon yesterday as President Amin Gemayel flew to the United States for talks with American officials on the future of his nation.

Beirut international airport, long the symbolic barometer of military conditions in Lebanon, was closed shortly after sunrise when mortars and artillery shells pounded the runways. The airport was closed to all traffic during the September civil war.

Middle East Airlines, the national carrier, began diverting aircraft to Larnaca, in Cyprus, and Lebanon officials - including Mr Chafiq Wazzan, the Prime Minister began talks with various militias to secure the landing zone from future attacks.

The state-run Beirut radio also reported that Lebanese Army positions in the central mountains near Souk el-Gharb suffered heavy artillery shelling from Druze-held positions and that Druze and Christian militias exchanged fire in the Kharroub region at the southern end of the mountain range.

Yesterday's skirmishes marked the third consecutive day of serious violations of the September 26 ceasefire accord in Lebanon. The resumption of hostilities coincided with Mr Gemayel's overseas visit, first to Italy and then to the United States.

Mr Gemayel is due to meet President Reagan today to discuss new options for getting foreign forces out of Lebanon and renewing the national reconciliation conference held by Lebanese leaders from October 31 to November 4 in Geneva.

The US-negotiated agreement of May 17 in which Israel pledged to withdraw its troops from Lebanon in exchange for various concessions from Lebanon has proved to be a stumbling block for Christian and Muslim leaders trying to negotiate a new power-sharing formula.

Shells from Druze-held positions in the central mountains fell on Beirut's port area on Monday for the first time since the September civil war. On Tuesday, shells fell on Christian east Beirut, killing six people.

Schools in Christian neighbourhoods were closed yesterday following a threat of further shelling by the Progressive Socialist Party, which is headed by Mr Walid Jumblat, the Druze leader. The PSP claimed on Tuesday that its forces were being fired on. "We are determined from now on to return fire severely and fiercely", it said.

In a statement yesterday, Mr Jumblat's party warned the Lebanese Army and rightist Christian militias to "evacuate all public utilities and multinational camps and positions" including the airport, the port and the power station, "to preserve them."

● PARIS: The French Ministry of Defence announced that a French Lynx helicopter from the frigate Duplex was lost on Tuesday night in an accident in the waters near Beirut. A least two of the three crew died. French military officials in Beirut declined to discuss the incident.

Bear boom

Gland, Switzerland (AP) - Polar bear numbers in all areas of the Arctic have doubled in the past 10 years, the World Wildlife Fund reports here as a result of co-operation between the US, Soviet Union, Canada, Greenland and Norway.

Ford backs US-Soviet summit

By Henry Stanhope, Diplomatic Correspondent

Mr Gerald Ford, the former US President, yesterday came out in favour of summit meetings between President Reagan and President Andropov next year, but only after careful preparation in Washington and Moscow.

The Vladivostok accord on strategic arms which he signed with Mr Leonid Brezhnev in December 1974, was possible only after 85 per cent of the detail had been previously agreed by Dr Henry Kissinger and Mr Andrei Gromyko, who were then Foreign Ministers, he said.

A summit next year could put the finishing touches to a US-Soviet treaty on intermediate-range nuclear forces in Europe, which he still thought possible despite the recent Russian walk-out from the Geneva talks.

He foresaw the Russians returning to the negotiating table in the spring after the reassessment of their position which was now going on in Moscow. They must be very disappointed after their failure to stop the deployment of new American missiles in Europe or to split the Western alliance. But they stood to gain nothing by refusing to negotiate, he added.

Speaking to journalists over a working breakfast at the English-Speaking Union in London, he was critical of Washington's process of consultation with Britain and other allies before last month's military intervention in Grenada.

On the other hand he did not think that agreement would necessarily have been reached

between President Reagan and Mrs Margaret Thatcher, the British Prime Minister, even if consultations had continued for a month, and he considered that the US decision to act had been "absolutely right".

"The last thing we should do is to nit-pick over issues like that when there is so much solidarity over the big ones", he said pointing out the cohesion between Nato governments over missile deployments in Europe.

He hoped that Mr Reagan would run for the White House again next year, and thought that the world would win. Last night, Mr Ford was delivering the English-Speaking Union's annual Churchill lecture on what would have been Sir Winston's one hundred and ninth birthday.

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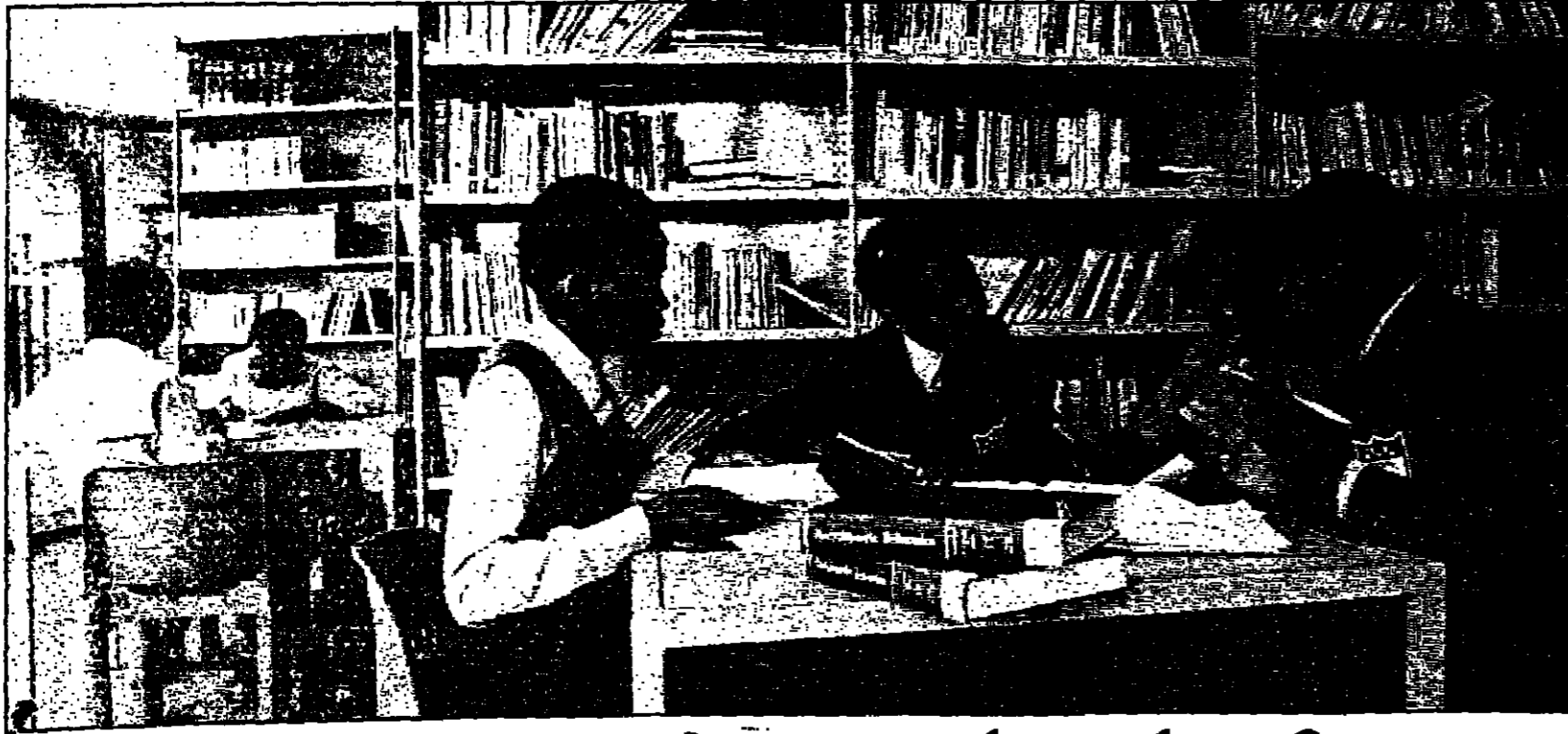
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SPECTRUM

moreover... Miles Kington

What a lot of rubbish

The new American director of Sotheby's says that as he has not run a business before and does not know a great deal about art, he will do a lot of talking and listening at Sotheby's "because people are the most precious asset we have"

Curiously enough, we at Moreover Holdings Inc have found the same thing at our auctions. Only last Thursday we had a sale of precious people, and he may find some useful tips in this abbreviated transcript of the proceedings...

Auctioneer: Ladies and gentlemen, welcome to today's sale of important twentieth-century people. Lot 1 is an assorted bundle of valuable left-overs from Coronation Street, a TV programme. No legal case is pending on any of them. I suggest we start at £50,000.

Bidder: £20,000. Auctioneer: Gone to the gentleman from The Sun newspaper. Lot 2 is Mr Geoffrey Boycott, a cricketer, no longer needed by Yorkshire County Club.

Attendee: May I have a word with you? (He whispers to the auctioneer.)

Auctioneer: Unfortunately, it seems that Lot 2 may possibly be needed for another year, so he is regrettably withdrawn. Lot 3 is described as a supergrass from Belfast. Mr Sean McNook has been until recently employed by the IRA, an illicit but exciting organization in Northern Ireland, and can now be bought for the spread of further knowledge. Do I hear...

Attendee: Another word with you, sir. (More whispers.)

Auctioneer: Lot 3 has apparently indicated he is too nervous to continue in the auction. I hope we do not have many more of these withdrawals. I never have this kind of trouble with eighteenth-century landscapes. Now, Lot 4 is an art specialist, recently released by a major art-house, who is expert in the authentication of works of art. I would like to start at £60,000.

Bidder: Excuse me, but does this mean he is prepared to authenticate fakes, ascribe minor works to major talents, draw in signatures where necessary, etc?

Auctioneer: Of course. £60,000... 70... 80... gone! Lot 5 is a personage recently employed by breakfast television, now free for engagements. Do I hear £40,000? No? Well, let's be realistic. Do I hear £5?

Bidder: £2. Auctioneer: Gone! Lot 6 is a gentleman who has unfortunately been forced to resign from the Tory Party due to a peccadillo with his secretary. Who will offer me £150,000?

Bidder: I will give that for the secretary.

Another bidder: I will give £200,000 for her if she can spell peccadillo.

Auctioneer: Done! Now we come to Lot 7, a recently retired head of a major party. Do I hear any bid at all?

Lot 7: You know, and I think we do know, I have been the victim of a press vendetta of such, and I do mean such scurrility, that one has to go back to, at the very least, a great many years in the past, not that we do not have a future, we do have a future, and a very great future too, I think we can safely say that we do indeed have a future in this great movement of ours...

Auctioneer: So let us move straight on to Lot 8, a mixed bag of unsuccessful Booker Prize candidates.

Bidder: I think I speak for all of us when I say we wouldn't bid for a Booker Prize winner.

Auctioneer: Fair enough. Lot 9, then, and the prize of the sale, a contemporary American woman composed of one black, one woman, two Jews and a cripple. What do I hear?

Jew: You hear me! I ain't a Jew! He's a Jew, but I'm a Hispanic. You gotta have a Hispanic on a committee these days.

Auctioneer: Sorry. One Jew and one Hispanic. What do I hear?

Black: You ain't heard nothin' yet, man.

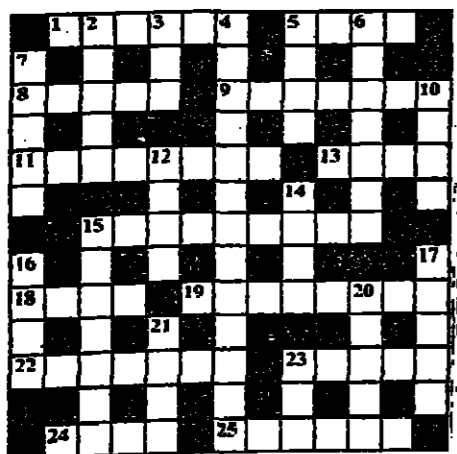
Woman: You think it's hard being black? Try being a woman!

Cripple: What about me? I'm a handicapped, Polish woman who's unemployed.

Bidder: £50,000.

Auctioneer: Gone, to the man from Channel 4.

CONCISE CROSSWORD (No 190)



- ACROSS: 1 Hundred grams (6), 3 Wharf (4), 8 Short of breath (5), 9 Search through (7), 11 Regal position (8), 13 East Anglia flatlands (4), 15 Equably (4,5), 18 Ellipsoid (4), 19 Acclaim (8), 22 High level area (7), 23 Strike (5), 24 Finish (4), 25 Comprise (6). DOWN: 2 Like whimsical child (5), 3 Playing (3), 4 Nude film (6,7), 5 Demonstration (4), 6 French castle (7), 7 Sharp point (5), 10 Orient (4), 12 Dependable (4), 14 Standard Oil (4), 15 Rustic (7), 16 Poultry cage (4), 17 Jaunty (5), 20 Not whispered (5), 21 Military vehicle (4), 23 Soviet secret police (11,11).

SOLUTION TO No 189 ACROSS: 1 Bag 16 Tricks 9 Lip sync 10 Knoll 11 Key 13 Cut 16 Chew 17 Heaths 18 Booby 20 Ewer 21 Cleric 22 Sang 23 Thru 25 Pew 28 Enter 29 Absolve 30 Femme fatale DOWN: 2 Appal 3 Onyx 4 Tuck 5 Ink 6 Know 7 Blockbuster 8 Flower power 12 Exhort 14 Thy 15 Malice 19 Genetie 20 ECT 24 Falal! 25 Prant 26 Waif 27 Pats

In their quest for relics of the Raj, Jan Morris and Simon Winchester discover a granary like a beehive, an operatic tunnel and some undistinguished churches

Land of the houses of wonders

Captain Garstin's masterpiece

From a boat sailing down the holy Ganges at Patna, in Bihar, one may see a queer and wonderful building protruding above the straggly junipers and acacias that line the bank. It looks rather like a huge white old-fashioned beehive, dominating the flat-topped houses of the town, and any ramble through the more down-to-earth structures of the British in India, the structures of trade, technique, profit and pleasure, may very well begin with it for its appearance is extraordinary, its purpose was purely utilitarian.

It is the Gola, a granary built by the British in 1786 as a precaution against famine, and known to Patna people as Golghar, the Round House. It was designed by Captain John Garstin, Bengal Engineers, a quarter of a century before his Town Hall in Calcutta (and thirty-four years before his death - he is buried beneath a properly architectural catafalque in the South Park Street Cemetery in Calcutta). The Gola is the one building that gets him into textbooks and architectural treatises, and is indeed much the most famous of the purely practical structures of the Raj: and this is because, though it turned out to be an abysmal failure, it looks at once functional and excitingly symbolic. It was a pure work of engineering technique, but it was touched, whether by chance or calculation, with the machismo of the imperial presence.

The singular shape of the Gola probably had Indian origins, for the indigenes had been building conical granaries for centuries. The scale of it, though, was unprecedented. Built of stone slabs, it was 90 ft high, and 426ft round at ground level. The idea was that grain would be poured into the Gola through a hole in the top, allowing it to spread all over the floor, and build up in decreasing diameter to the summit. Spiralling up the outside of the huge cone, accordingly, Garstin

built two brick staircases; the workmen, labouring up one side and emptying their grain-sacks into the summit orifice, stumbled down the other side for more (and once a visiting Nepali prince galloped his pony all the way up, all the way down, for the sheer panache of it).

The building has always fascinated travellers, and people have often read deeper references into its shape. Was it meant to represent the thrifty garnering of the bees? Was it, as the architectural historian Sten Nilsson has wondered, derived from the architecture palatine then popular among the designers of revolutionary France, buildings at once mysterious and allusive, globe-temple, pyramid? Garstin himself evidently saw something heroic to its hefty functionalism, and had this inscription carved upon the side of the building:

No 1 In part of a general Plan Ordered by the Governor-General and Council 20 January 1784 For the Perpetual prevention of Famine in these Provinces This Granary Was erected by Captain John Garstin, Engineer Completed on the 20th July 1786

First filed and publicly closed by... But the rest is blank. Though the Gola has been used in time of famine, and indeed is habitually stocked with quantities of grain to this day, it was never filled to the top, and was never used as Garstin intended it - as a perpetual grain store that is, always kept stocked for emergencies. Nobody really knows why - "it was found", simply wrote Emily Eden in 1837, "to be useless" - and it is certainly not true, as frivolous guidebooks suggest, that its only door was made to open inwards, thus preventing entrance anyway when the granary was full. It is true, though, that the usual emptiness of the building gave it its popular fame: for the acoustics of the Gola are prodigious, and tourists loved it from the start. There was never a more startling whispering-gallery. The most truly operatic of railway

STONES OF EMPIRE. The Building of the Raj, by Jan Morris with Simon Winchester (London: University Press £15) published November 10.

MAX HARRISON meets Philip Glass, the composer who has been called the thinking man's pop musician

Sound of success

Superstars are expected to be predictable, to have a standardized product upon which their legions of fans can rely. Yet Philip Glass, undeniably a musical superstar in New York, is not like that at all. Perhaps this is because it has taken him so long to reach his present position, and the journey is not yet over. The popularity is anyhow incidental, and he says of his work: "I've always thought of it as concert music. I've never tried to popularize it."

Certainly Glass's background and his present operatic preoccupations seem improbable for one who is now facetiously spoken of as having brought together the audiences for "serious" music and rock 'n' roll. His grandparents were orthodox Jews from Russia and Lithuania, and he was born in 1937 in Baltimore, where his father managed a record shop. Something of a prodigy, he studied the flute at the Peabody Conservatory from the age of eight, took a Chicago University degree in mathematics and philosophy at 19, and in 1962 got his master's degree in composition at Juilliard: a respectable beginning.

Like countless American composers before him, he studied with Nadia Boulanger in Paris, yet it was there, in 1965, that events took an unexpected turning. He believes, with some justification, that Europeans enjoy discovering new American artists before Americans do, but it was in Paris that Glass began to discover himself. Working on the music for a film with Ravi Shankar confirmed an interest in non-western music which had begun during an earlier trip through North Africa. In particular, he became concerned with the primacy given to rhythm, and with the working out of elaborate rhythmic processes over long periods of time.

He moved thus out of "a combination of desperation and frustration. I hated the music that was all around me; the Paris scene was dominated by Boulez, Stockhausen, a sort of dictatorship of contemporary music, and I wanted to start someplace else."

Understandably, he saw his reaction in personal terms, yet unbeknown to him, or to each other, several American composers of his generation, including Steve Reich and Terry Riley, were discovering principles similar to those on which he built his own new pieces.

What Glass, specifically, had arrived at was a music which "was extremely tonal, often based on as few as five or six notes; there was no harmonic change, but a strong rhythmic steadiness." There was much repetition, and a minimum amount of musical material; in effect, the new movement was a reaction against what has been called the twentieth-century information overload.



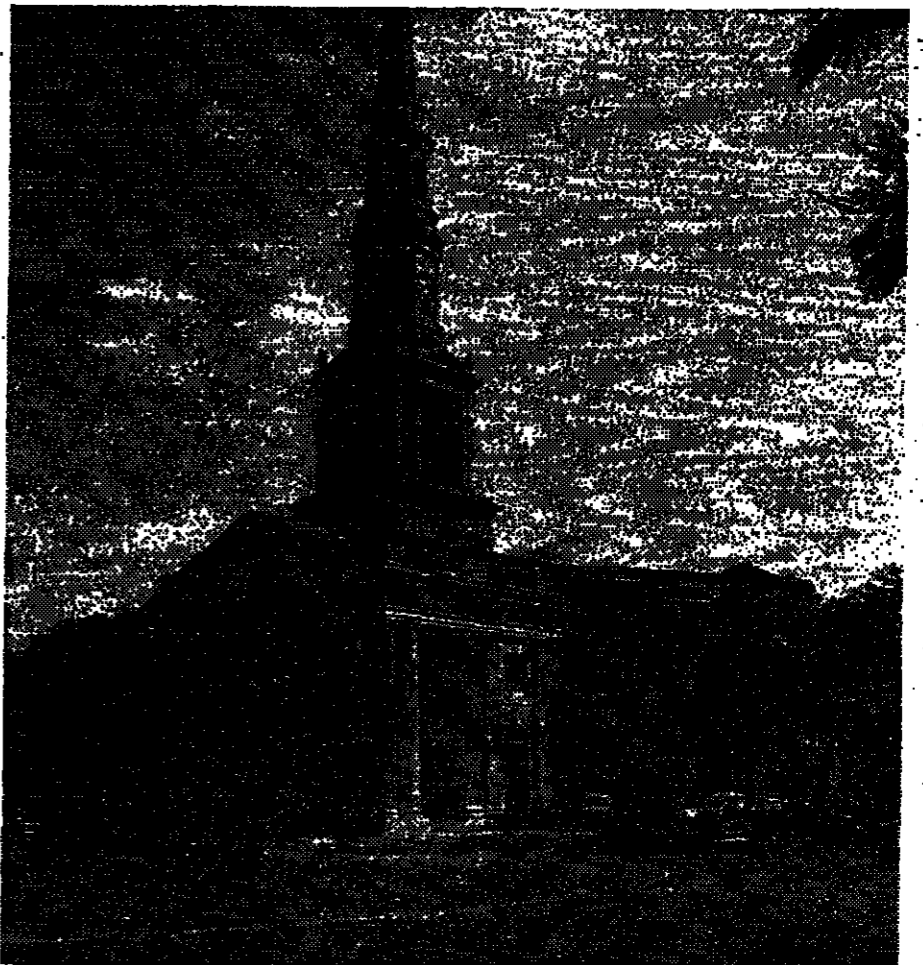
Glass: the man who re-invented opera

It is ironic that Glass, having found a path of his own, now experienced the sort of audience hostility that had earlier been the lot of Schoenberg, Stravinsky and company. Among his first representative scores was Music in Twelve Parts (1969), and this, Glass remembers, "was the piece during which people would decide whether they were going to stay at the concert. After the first two minutes half the audience would get up and walk out."

Their problem was the usual one: a new music requires a new way of listening. In Glass's work the dramatic phrasing of western music - the cut and thrust, say, of a quick Beethoven symphonic movement - is replaced by an all-enveloping flow of sound. This can seem initially monotonous, the effect compounded by the high volume level made possible by electronic amplification.

An account of Glass's musical growth from String Out for amplified violin (1967) to the more than four hours duration of Music in Twelve Parts (1971-74) will soon be a matter for music history text books, and despite its increasing complexity, his music reached a widening circle of initiates. In 1968 he founded the Philip Glass Ensemble with a small instrumentation of keyboards and wind instruments. Faced with indifference from elsewhere, he founded his own record label, Chatham Square, though in the early 1970s a British rock label, Virgin, issued two sections of Music in Twelve Parts. Since then Glass has signed with CBS Masterworks, the first composer to do so since Stravinsky.

Success has been attended by the usual disadvantages. Glass no longer has to support himself by driving a New York taxi, but understanding has not increased in direct proportion to the size of his audience, and he has even been called "the thinking man's pop musician." Admittedly he took hints from rock as he did from India, but those no more make him a pop musician than he is an Indian musician; he turned these borrowings into something entirely his own.



The British builders' influence: The domed grain silo at Gola (top left) and St Stephen's Church, Ooty (left). Right, St Andrew's Church, Madras

tunnels was surely the Khojak tunnel, at the time of its completion in 1891 the longest in India, which carried the Chaman Extension Railway to the western extremity of the Indian Empire, on the Afghan frontier. The line itself was theatrical enough. It was begun in 1883 as a secret strategic line, intended if necessary to take troops over the frontier to Kandahar, then allegedly threatened by the Russians, and code-named 'The Harnai Road Improvement Scheme'. In the event it never got further than the frontier itself, where until the end of the Raj rails and sleepers were stored in case the project was ever completed, but it did become nevertheless the quickest way out of Afghanistan to the ports and markets of British India.

The tunnel stood almost at the end of the line, almost on the frontier. Immediately outside it the tracks ended in buffers at the station of Chaman, and travellers into Afghanistan had to transfer to road vehicles. It was fearfully wild and arid country, and to drive the tunnel through the Khwaja Amran mountains the engineers employed thousands of Pathans, Hazarabs, Tibetans, Kashmiris, Punjabis, Arabs, Zanzibaris, Sikhs and Bengalis, together with sixty-five miners especially brought out from Wales, where they had worked on the Severn Tunnel a few years before. Many of these men died - 800 in the winter of 1890 alone, from typhus - but the work was finished in three years, the tunnel being 12,780ft long and made of 19,764,426 bricks, all fired on the spot.

Most of the churches of Victorian Anglo-India were, to put it gently, unmemorable. Some were dismal, more were just dull, and there was a depressing sameness to the run of them. Many indeed appear to have been built to a more or less standard pattern, based perhaps upon some suggested plan of the Ecclesiological Society, then the accepted arbiter of Anglican church architecture in England, and a prolific source of pamphlets and advice. Whatever their origins, you came across these familiar structures everywhere, in some places more expensively interpreted than in others, sometimes relieved with local materials or devices, or local architects' whims, or the liturgical requirements of the contemporary Bishop, or even occasionally a touch of spontaneous Indian arts and crafts, but in general all too much the same.

Churches to a standard plan

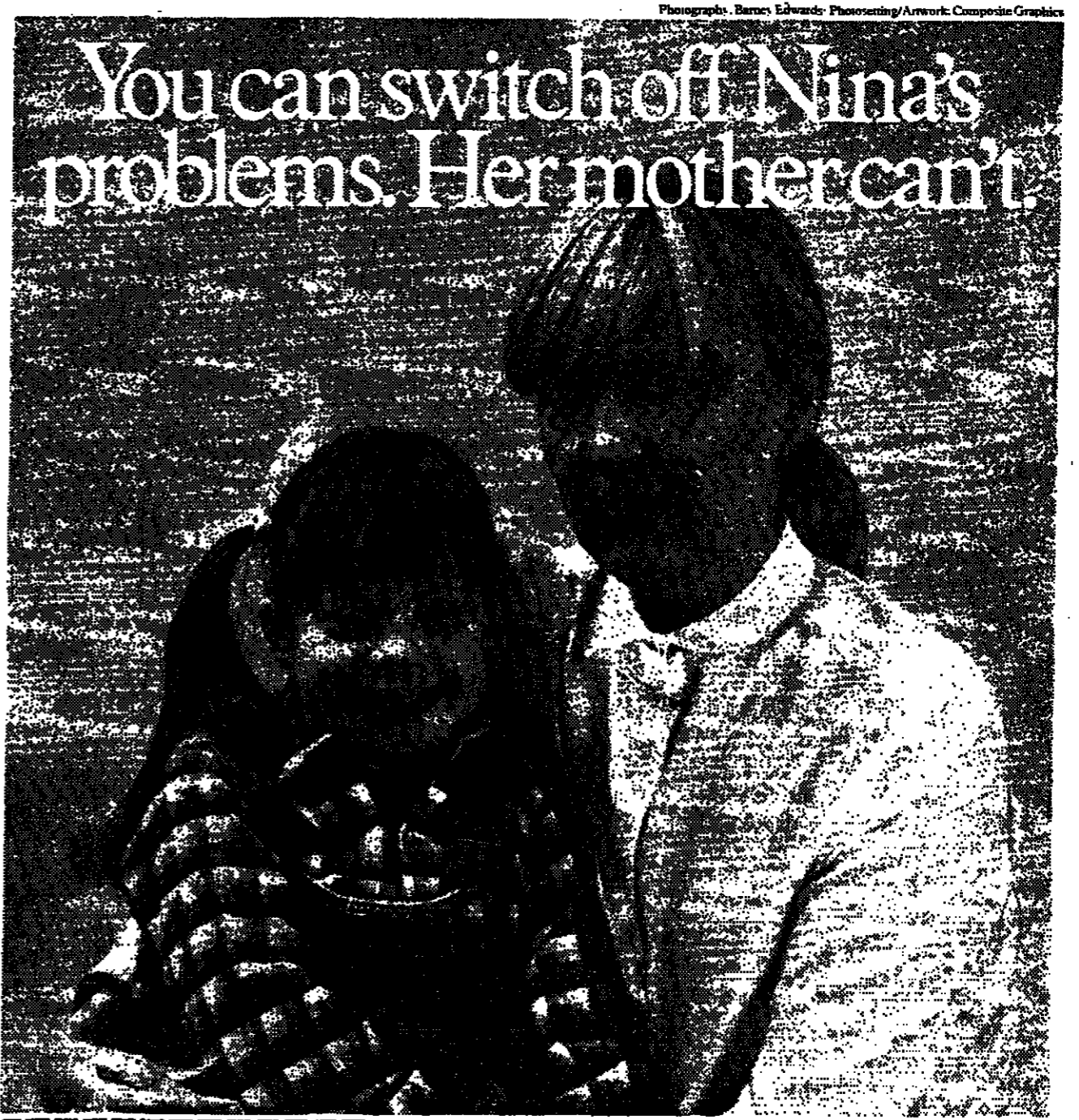
Let us visit one, on a Victorian Sunday morning, to stand for all the others. One will be enough, especially if we have been serving in India half a lifetime already. We leave our carriage at the iron gate and walk the last few yards through the compound, which is shaded by big trees and is either very dusty or very muddy, according to the weather, being not exactly turf, nor exactly sand, nor exactly soil, but something very Indian and Anglican in between. At the far end of the green stand the nondescript buildings of the church school, with the potted plants

of first-form botany in its windows; at the other are the bungalows of the vicar and the schoolmistress, standard Anglo-Indian style, with standard Anglo-Indian furniture on their verandahs, and standard geraniums potted on their steps.

And here is the church. It is very churchy. No enthusiastic innovator has given life or surprise to it, as eager Captain Underwood vitalized St Stephen's at Ooty, or excellent Mr Growse gave the gift of his Church of the Sacred Heart. Christ Church, Muddipore is a textbook imperial church, as rigid and as regular as the Thirty-Nine Articles of its faith. Here we enter the shade of the statutory carriage-porch, here are the steps up to the front door - any experienced Anglo-Indian could negotiate them with his eyes shut - and here inside is the usual oblong pattern of nave and two aisles, separated by pointed arches in the approved Gothic manner.

The ultimate Anglo-Indian museum, was the one Kipling made famous in Kim - the Ajaib-Gher in Lahore, where Kim took the Lama in the opening pages of the novel. It was rebuilt in 1894, when the Kipling family had left India, but Rudyard's father Lockwood, formerly its Curator, had indelibly stamped upon it his own devotion to craftsmanship and meticulous design.

Each of its display-rooms is arranged around groups of iron columns, and affixed to these are the illuminated show-cases, like fungi on tree trunks. Nothing was done patchily or carelessly in this House of Wonders, and nothing was uncontrived.



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FASHION by Suzy Menkes

The Princess line

The tailored coat is back in business - city slick, sharp-cut and full-length.

They call the fitted coat - appropriately enough - the princess line. For the Princess of Wales, with her trim coats flaring out below a neat waist, has been in the forefront of the current fashion trend. She favours quiet camels and greys, often with a velvet collar like a child's party coat, and a reminder of a different age of royal dressing-up.

The city coat is about looking smart. It is a challenge to the shawls and throws, the ponchos, serapes, heavy-knit cardigans and every kind of jacket that have done duty as winter warmers for the past decade.

The tailored coat is the feminine face of the big tweedy mannish overcoats (often actually from men's shops) that young people are wearing.

The come-back of the dress

The impetus for the return of the coat is the come-back of the dress. The two go together as an outfit as much as the jacket traditionally goes with skirts and separates. It is interesting to see that the Princess of Wales often wears her coat as a coat dress (another incoming trend). That is, she attends one of her formal daytime functions wearing a fitted coat kept firmly buttoned up throughout.

The "college" schoolgirl or blazer coat is the one you are most likely to find at a good price (under £100) in the shops. As its name implies it is based on the school uniform, even though that last bastion of tailoring long since fell to the onslaught of anoraks. The basic "nanny" coat (and they wear anoraks too these days) is in wool and comes mostly in navy, camel and grey - a good fashion colour this winter. Black coats are splendid in cashmere, and the cashmere coat - light, soft and with a lustrous pile - remains the ideal.

A harder-wearing version is the fitted coat in tweed, usually called a redingote because it came in on the back of a horse and has galloped in and out of fashion ever since. Tweed is the meeting point between the oversized, straight-back sloppy masculine overcoats and the trimmer fitted coats. Redingotes are traditionally cut very tight at the arms and shoulders (no dolman-sleeved seaters under here). The modern versions have a more relaxed line.

It is important to decide what you want your coat for when you set out to buy. The best-selling coats have been swing-backed styles that cover a multitude of separates. New coats are wider at the shoulders, with a very deep armhole or

kimono sleeve which fits easily over a suit or chunky knit. But these upturned triangles look best as a short coat - seven-eighths or even three-quarters - and that requires care in what you put underneath. Slim skirts and trousers are fine; full skirts look odd.

The best guide to buying a winter coat is your own wardrobe - its basic shapes and lengths - and your own way of life. A big, bulky mannish tweed is hopeless if you are jumping in and out of a car (but wonderful if you are a student standing at a bus stop). A tailored city coat is too lightweight for country winds (unless you are lapped in layers of cashmere).

Looking at men's coat departments I feel (as I often do these days) that men's fashion is more practical than our own. Their departments divide between city and tweedy coats both of which seem to cost about one third less than women's coats of the same quality. Women can find a proper wool winter coat for £75 to £100 (with some starting at less). The more stylish coats are between £150 and £250.

I believe that there is no substitute for wool, although you can find practical coats in fabrics like cotton corduroy used with a quilted or furry lining. These tend to be sportier shapes and apart from the current trend of streamlined and cuffed dressing.

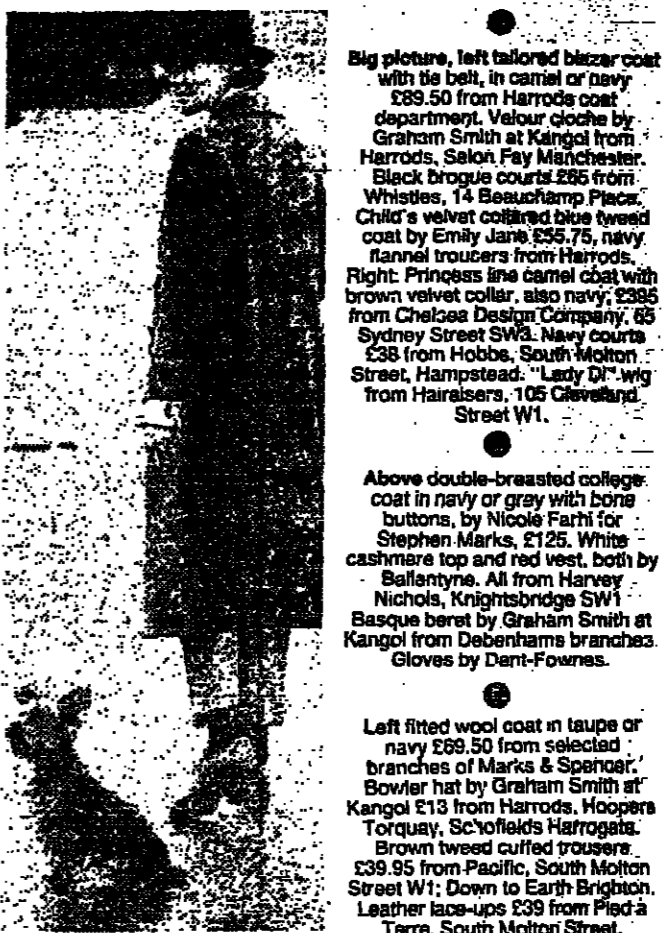
You can certainly find fancy fabrics, blanket checks, bold patterns and strong colours, although I am very doubtful about investing a lot of money in a coat that is marked out by colour and appearance as a one-season garment. The stores seem to feel the same, for the predominant colours are classic and plain, with mannish tweeds the firm favourites.

Mannish hats are much smarter

When you have got your coat, you need to make it live with the right shoes (heels very shaped, very flat or very high). Knee boots are now fashion's kiss of death, unless they are big, bold and baggy. Mannish hats are much smarter than tea cosy wool, berets are fun, headscarves are horsey and shawls are finished.

Perhaps it is a reflection of how we feel about coats that we have the urge to dress them up. I have never heard any woman enthuse about buying a coat or exult in wearing one. For a comparatively young fashion garment (they are only as old as this century) coats have a staid image.

If anyone can turn the solid, steady companion of winter days into something young and fun, it will surely be our glamorous, be-coated Princess.



Big picture, left tailored blazer coat with tie belt, in camel or navy £89.50 from Harrods coat department. Velour cloche by Graham Smith at Kangol from Harrods. Salon Fay Manchester. Black brogue coat £85 from Whistles, 14 Beauchamp Place. Child's velvet collared blue tweed coat by Emily Jane £55.75, navy flannel trousers from Harrods. Right, Princess line camel coat with brown velvet collar, also navy £286 from Chelsea Design Company, 65 Sydney Street SW3. Navy courts £38 from Hobbe, South Molton Street, Hampstead. "Lady D" wig from Hairdressers, 105 Cleveland Street W1.

Above double-breasted college coat in navy or grey with bone buttons, by Nicole Farni for Stephen Marks, £125. White cashmere top and red vest, both by Bellamyne. All from Harvey Nichols, Knightsbridge SW1. Basque beret by Graham Smith at Kangol from Debenhams branches. Gloves by Dent-Fownes.

Left fitted wool coat in taupe or navy £89.50 from selected branches of Marks & Spencer. Bowler hat by Graham Smith at Kangol £13 from Harrods. Woopie Torquay, Schofields Harrogate. Brown tweed cuffed trousers, £39.95 from Pacific, South Molton Street W1; Down to Earth Brighton. Leather lace-ups £39 from Pied à Terra, South Molton Street.



Silver Stream pram by Silver Cross exclusive to Harrods. Fashion assistant: Christine Painoff. Hair by Shaun Hunt at DANIEL GALVIN. Photographs by NICK BRIGGS.



Above herringbone tweed redingote by Sheridan Barnett £169 in brown or grey from Shaws, Beauchamp Place SW3, Row, Kensington Church Street W8; June Daybell, Elizabeth Street SW1 and Cheltenham; Mosaic Stratford on Avon; Young Ideas Ashbourne, Derbyshire. Cream mohair sweater £39.95 from Pacific, New Bond Street W1; Down to Earth, Brighton and Hove. Fleck wool nanny hat £45 by Philippe Model from Whistles, St Christopher's Place W1 and branches. Leather booties £85 from Pied à Terra, South Molton Street W1; Sloane Street SW1 and Brighton. Child's coat and trousers Harrods.

Above left tailored cashmere coat in black, taupe, navy blue, camel, £250. White collared printed blouse £35 in red, navy. Both by Alexon from Harrods and Alexon shops in Cheltenham, Nottingham, Harrogate and Bath. Hat from Whistles. String gloves by Dent-Fownes from Selfridges.

Right kimono sleeved steel grey cashmere/wool coat by Max Mara £260 from Harvey Nichols; Harrods; Viva, Golders Green Road W11; Bette Davis, Ealing Broadway W5; Anne Larsen, Hornchurch; Essex; Lisa Sterling, Liverpool; September Three, Birmingham.

Fortnums

—an occasional commentary on Important Events— The Brighton Run

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Angela Gore

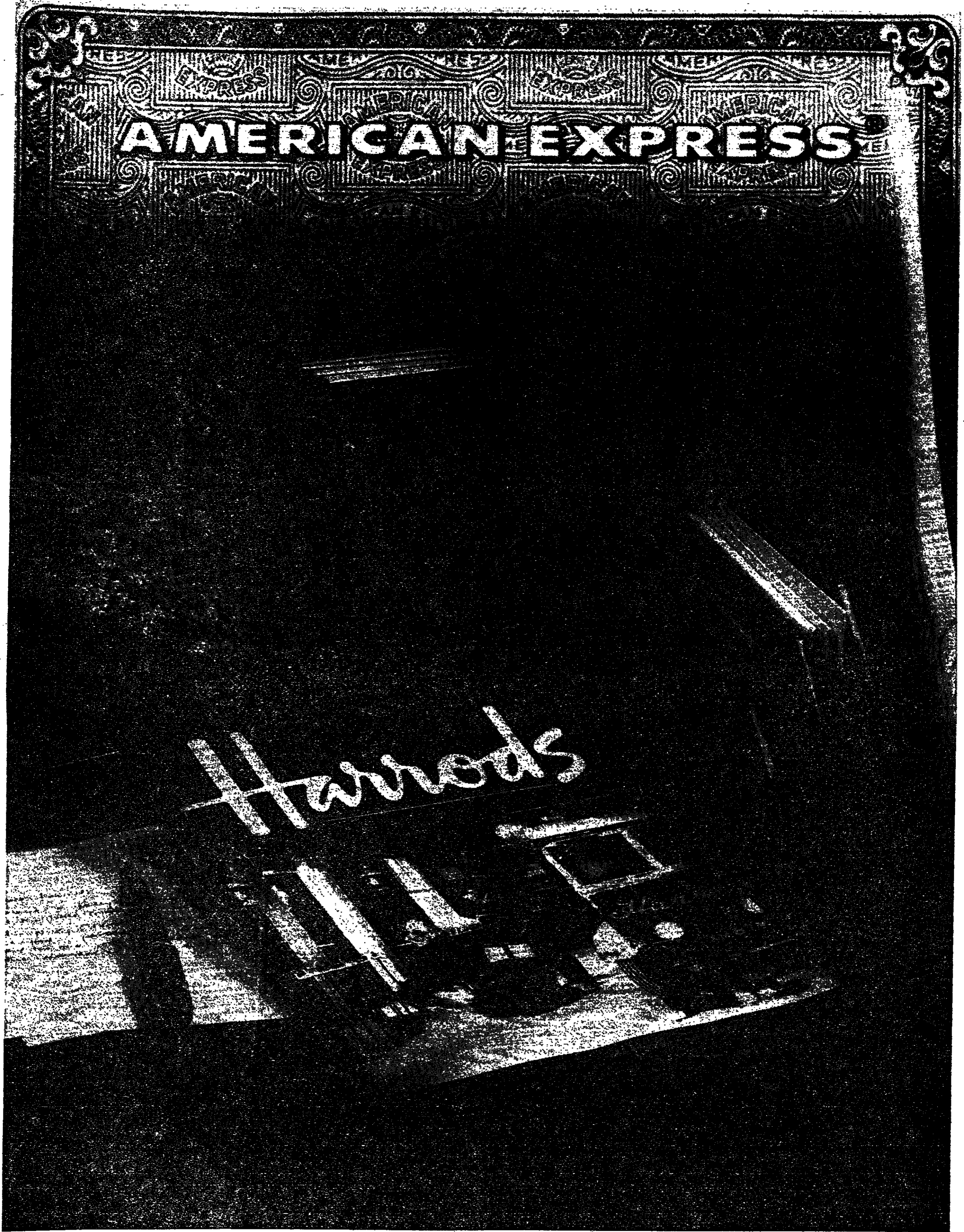
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AMERICAN EXPRESS at Harrods

THE ARTS

Context of delight for the great and good

- Bernard Meninsky**
Blond Fine Art
- Alfred Wolmark**
Mayor
- Olympian Dreamers**
Christopher Wood
- Eric Ravilious**
Garton and Cooke
- Paul Maze**
Browse and Darby
- The Artists of the Yellow Book**
Parkin/Clarendon
- Autumn Anthology**
Pym's



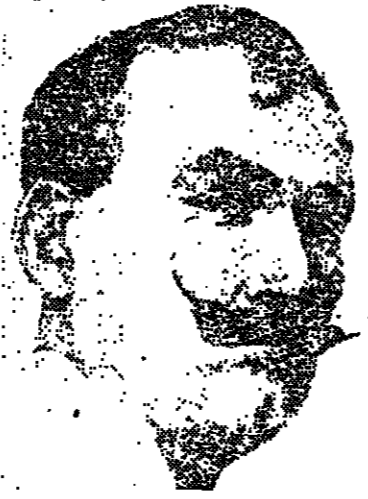
and now we have dealers offering us a valuable opportunity to revalue.

Meninsky has found, of late, a faithful champion in Jonathan Blond, and the new show at Blond Fine Art, until November 11 certainly makes out a compelling case for him. It concentrates almost entirely on the last phase of his career, when he retreated (if we can use the word in a religious rather than a military sense) to a pastoral dream-world where the influence of such English Romantics as Blake, Palmer and Calvert bled happily with that of Picasso in his Neo-Classical period to inspire any number of landscapes in which idealized peasants homeward wended their weary way while bearded and naked in paradisiacal streams. This may not have been the most immediate response to the Second World War, but we may recall that these works were mostly painted in that same wartime Oxford which also encouraged the mystical-allegorical romances of Charles Williams, C. S. Lewis and Tolkien, and the impulses behind them all seem very similar.

Wolmark was always more of an international figure than Meninsky; though he studied at the Royal Academy Schools, he was advanced enough to show with the French Post-Impressionists in 1910, was a friend of Gaudier-Brzeska, and exhibited fairly regularly in Paris during the Twenties. So much you might guess from the show of his work at the Mayor Gallery until November 25: there is the strong sense of colour which never deserted him, and a boldness in the flattened modelling of his forms, whether figure or still-life, which clearly betrays his continental affiliations. Also a powerful sense of pictorial drama: it was not for nothing that he designed also for Diaghilev.

Books, of course, can be a less immediate but more lasting way of redirecting attention than exhibitions. When the two are combined we get the best of both worlds. Christopher Wood, one of the more scholarly of

The Olympian dreams of Lord Leighton in *Syracusan Bride* leading *Wild Beasts in Procession to the Temple of Diana*; and surprising draughtsmanship in *Enid Bagnold's Portrait of Frank Harris*



our dealers, has already enlightened us on many byways of Victorian art, and to coincide with the publication of his latest book, *Olympian Dreamers* (Constable £15), he has staged an exhibition under the same title at his Belgravia gallery, until the end of the week. The "Olympian dreamers" are those Victorians who turned to a fancied past of classical antiquity for their subject-matter, the most famous being Lord Leighton, Alma-Tadema and Edward Poynter.

All of these are represented in the show by characteristic scenes, which demonstrate clearly that their way to the Victorian heart was often by the simple (and perhaps unconscious) use of dressing up familiar Victorian genre subjects in classical clothing (or unclothing) so that the material, apparently remote and exotic, seemed at the same time strangely familiar. To be fair, this is not true of Leighton's grand *Syracusan Bride*

and the Circle of Oscar Wilde were for long undeservedly neglected. Even today there are surprises to be found as the two-part exhibition at the Parkin and Clarendon Galleries (the latter, appropriately enough, occupying the old offices of the Bodley Head) until the end of the week vividly demonstrates. It may come as a surprise to many to discover, for instance, that Enid Bagnold was such an extraordinarily capable draughtsman, even if we remember that she was one of Sickert's young ladies. Ricketts and Shannon expectedly shine, but so do such friends of the famous as Jacques-Emile Blanche. And, for those who like a little reading-matter with their visual entertainment, there are some classic Beerbohm cartoons to provide a thoroughly irrelevant commentary on his more serious-minded contemporaries.

The *Autumn Anthology* at Pym's Gallery until November 25 centres, oddly enough, on much the same period, though showing a very different aspect of it. It is a much more coherent show than you might suppose from the noncommittal title, concerned as it is about half with the *fin-de-siècle* vision of the country and half with society at the same time. On the whole the artists represented took an idyllic view of life in the fields, ameliorating considerably the coldness of their great originator Bastien-Lepage (shown here with the very fine *La Paille Fauvette*) with an Impressionist or even Post-Impressionist flood of warm colour. They were not so happy about urban matters: Tonks and Orchardson incline to the "hopeless dawn" view, to judge from *Lady Reclining on a Sofa* and *The Story of a Rose* respectively, while Greiffenhagen's *The Soirée* suggests a world it is one's duty to be weary of. More is Opren's exceptional *The Rape*, exactly cheering. But for the spectacle of minor artists maximising their talents, the show would be hard to beat, and if it makes us look again then it will have done its job well.

John Russell Taylor

A little more underlying toughness would probably have given the work of Paul Maze (1897-1978), whom Anne Singer's new book (Aurum, £14.95) optimistically labels "the last Impressionist". The related show at Browse and Darby until November 26 does not make any such eye-catching claim: it simply presents him on his own merits as a distinctly minor but highly agreeable follower in great footsteps. From the book we may learn that Maze was a French Anglophile who lived here most of his life, moved in quite lofty social circles and was a friend of Churchill. The recurrence of Goodwood and Cowes in his paintings and drawings might suggest the same; they also suggest careful study of Dufy, whereas elsewhere Bonnard and Vuillard are palely but affectionately evoked. Admirable for collectors who cannot afford the real thing.

Autology exhibitions too can often happily redirect our attention. Beardley's light has never been hidden under a bushel, but many of the other Artists of The Yellow Book

Opera Enlightening the inexplicable

La Passion de Gilles Monnaie, Brussels

Though all but unknown in this country, the Belgian composer Philippe Boesmans is well established across the Channel as one of the most gifted among composers approaching 50, compared with Berio as a master of memory and seduction. Most of his works have been instrumental scores with such titles as *Sonances*, *Intervals* or *Conversations*, but now he has come up with an orthodox three-act opera, *La Passion de Gilles*, which the Brussels Opera have mounted with lavishness and enthusiasm.

The piece springs from the strange circumstance that one of Joan of Arc's chiefs, surviving the battles, became a man of awesome depravity, the perpetrator of unspeakable acts on the living and dead bodies of young children: Gilles de Rais. It would be hard to find a case more difficult to bring within some understanding of the human mind, and yet this is what Boesmans and his librettist, Pierre Mertens, have attempted. Where the subject might have been an invitation to violent high jinks of the *Manon* or *Penderecki* sort, Boesmans's music is subtle and densely patterned, inviting one to travel down lines of coincidence and repetition.

Most importantly these concern Gilles and Joan, the two main characters of the opera. Gilles's crimes, it is suggested, were the result of a never-satis-

fyed need to consummate and extinguish his passion for Joan: after her death she became for him a moral black hole, accepting a steady stream of evil. But of course the "passion" of the title is to be understood in another sense, for Gilles was as much martyr as Joan, whose fate he eventually shared. At the same time, and this is still clearer, Joan was as much monster as Gilles, being responsible for quite as many deaths in a cause whose gloriousness may now seem to us questionable.

There is nothing new, of course, in saying that the paragon and the devil are both perversions, but in *La Passion de Gilles* the theme is treated with intelligence, grace and calmness. Each act aims towards a confrontation between the two principals, or principles, and ends in spilling from their union a cascade of questions. In the first Joan appears to interrupt Gilles in his dalliance with another woman, in the second she arrives as phantom or impostor to stop him in the midst of his melancholy iniquities; and in the last she comes at his execution to join his destiny with her own.

According to Mr Mertens, drama composer and librettist envisaged a traditional costume from the past in order to present the facts of the case and the piece as plainly as possible. However, Daniel Mesguich, the producer, had other ideas, and he opts for a mystery as bewildering and unreal as the one he devised for Ligeti's *Le Grand Macabre* at

the Paris Opéra last year. The stage is converted by Alain Batifollier into a corner of some labyrinth of screened enclosures. While the main action goes on in the cell nearest to us, elsewhere there are other possibilities: one recurrent image is that of a double of Gilles and Joan caressing one another after a car crash, the fond couple of a future that never happened.

But this is only one of Mr Mesguich's stunning inventions. The maltreatment and massacre of the innocents in the second act, which could have been grossly offensive, is made into a mime: chilling to behold, but surely not injurious to the children involved on stage. And the existence of a candid child's eye is perpetuated throughout the opera. A little girl in Alice costume crawls out of the prompt box to set the whole thing in motion, and appears to observe indifferently. She also takes two significant words from the text: "Quelle importance?".

Some time, I hope, there will be a chance to see how *La Passion de Gilles* stands up at the conventional opera its authors intended. I suspect it will work well, especially if given the striding force of Carole Farley as Joan, the cold, grave steadiness of Peter Gottlieb as Gilles, and the fascinating interpretation under Pierre Bartholomée of a marvelous orchestral score. But in this production it is also two hours of remarkable theatrical magic.

Paul Griffiths



Carole Farley's powerful Joan, with Fanny Margena-Roy as the little girl

It was inevitable that Peter York, discoverer of the Sloane Ranger, should turn his sights to television. Style is, after all, to do with visual impact, and television influences the way people want to look. Hey Good Looking!, his series of five programmes on style, began last night on Channel 4.

In the first, and scrappiest, of the series, he pre-empted criticism to some extent by his declared intention to "dig as shallow as possible". Dark-suited and pale-faced, York's own style could be summed up as Dracula of the men's wear department. He seemed aware of the effect as he drifted around the Palladian architecture of Chiswick House, or appeared suddenly through a panelled door with a sepulch-

ral invitation to come down to the "style vault".

The words were secondary to a confusing succession of shots of Mrs Thatcher (Political Style), the New Romantic Style Warriors and Princess Diana clones. Beginning with a quotation from Oscar Wilde, "Only fools don't judge by appearance", he summed up finally with a sub-Wilde aphorism, "Who says the art of conversation is dead when a man can make a point with his socks?".

Clare Colvin

One of the success stories of recent British publishing has been in travel writing. Caroline Moorehead here investigates the boom; later this week she interviews three leading travel writers

The touch of magic in other men's journeying

obsure back shelves to central displays, and writers like Paul Theroux, Bruce Chatwin and Shiva Naipaul enjoy the kind of celebrity until recently given only to popular novelists.

At least some of this new enthusiasm must be attributed to Sarah Anderson who, in 1980, opened a bookshop devoted entirely to travel - guidebooks, maps, histories, biographies, explorers' stories, new and second hand - reasoning that there was no one place in London from which someone setting off on a journey could acquire every kind of reading matter needed. (Similar shops now exist in Geneva, Zurich and Paris, and there is a travel kiosk in New York.) Interests are seasonal. "Dur-

ing the summer," explains Sarah Anderson, "mainly Europe. In the autumn and winter, India, South America, Indonesia and North Africa."

The present cult of the traveller consists however not so much in new books as in reprints. John Hatt is the author of a practical guide to the hazards of exotic travel called *The Tropical Traveller*. Three years ago he decided to set himself up under the name of Eland Books as a one-man publisher of a series of handsome paperback travel books, concentrating on the nineteenth and twentieth centuries and setting out to make what hitherto had been the province of expensive antiquarian booksellers available to the general public. After him, in quick suc-

cession, came *The Century Travellers*, Virago's collection of nineteenth-century women travellers, and Penguin's *Travel Library*, all paperbacks of varying degrees of handsomeness and only recently made possible, explains Anthony Cheetham of Century Books, by the new economics of publishing, neither prohibitive hardback nor mass market paperback.

Other publishers have hastened to bring back old successes. All report steady if not spectacular sales: Virago, 7,000-8,000 copies per book; Century a regular 5,000. Best sellers are Fryns Stark, Norman Lewis and the tales of what one editor called "frothy, bored" Victorian ladies like Isabella Bird or Amelia Edwards.

The vogue for travel books is not

of course, new, and nor is the use by those who travel to write of the subjective "I", often wrongly seen to be the invention of contemporary writers. The era Waugh was looking back on was extraordinarily rich in a kind of book once defined by Norman Douglas as ideally inviting the reader to undertake three tours simultaneously, "abroad, into the author's brain and into his own".

When he was writing, Jonathan Cape's *Traveller's Library*, Tauchnitz's green paper-bound travel books as well as Baedeker's guidebooks were all selling widely. It is no coincidence that so much of the present enthusiasm is for travellers long since dead.

"Good travel writing has not dated", says John Hatt. "And good

travel writing, like good humourous writing, is extremely difficult. How do you avoid the sameness of it all - the dust, the surprise, the quaintness?" The best of the travel books contain, he believes, "a touch of magic". Most publishers agree. Kinglake's *Eathen*, Eric Newby's *Short Walk in the Hindu Kush*, Paul Theroux's *The Great Railway Bazaar* are all widely held to possess it. It is, says Hatt, a curiously timeless phenomenon, and often has surprisingly little to do with how well an author otherwise writes.

Dame Freya Stark, on her return from one of her great voyages of exploration, was once asked by a young and nervous reporter whether she considered that travel broadened the mind. She paused, smiled, then

Concerts

LPO/Rozhdestvensky Festival Hall/Radio 3

A new focus of experience is beginning to benefit the Shostakovich symphonies, or at any rate the best of them, such as the Symphony No 8 which was played in London on Sunday for the second time in less than a week. On this occasion it was Gennadi Rozhdestvensky instead of the composer's son, Maxim, who brought an emotional, even tragic, character to bear on the music, in which sombre imagination seems to be triggered by grim reality and grief of heart.

The conductor pointed the recurring contrast between the often agonized frenzy of the symphonic ensemble and the still, small voices of instrumental solos which offer the only consolatory thoughts. His metrical insistence forged a strong atmosphere for the music's motive force, as much for the quiet resignation of the slow movement as for the turbulent outbursts that preceded it. We were reminded that Shostakovich had the courage to make his music a testament of truth.

The orchestra was not always together at moments of greatest stress, especially near the start and towards the end of the finale, but at other times the leading violins and cellos and congas distinguished themselves with finely shaped solos. Earlier there was laboured support in places for Victoria Postnikova, as the pianist travelled from a placid beginning to a boisterously cheerful finale in Mozart's C major Concerto (K503).

Noël Godwin

Philip Mead Cambridgeshire College of Arts

Whether or not you can stomach Stockhausen's bizarre, self-centred mythology, there can be no denying the lyrical power of his latest music. First performed two years ago, *Piano Piece XIII*, a version for amplified piano of Lucifer's *Dream* (a scene from *Saturday* in the projected week-long opera-cycle *Light*), once more says new things in new but comprehensible ways, as its mesmerizing British premiere by Philip Mead admirably demonstrated.

Coming from such a source, *Piano Piece XIII* is pure music-theatre. The white-clad soloist, presumably Lucifer, takes on the instrument as if he were taming a lion, a process entailing equal amounts of violence and gentleness. The usual gamut of special effects is required - plucking the strings with the fingers, striking them with drumsticks, slapping and knocking the casework, even clambering on to the keyboard. And its ritualism is emphasized by Japanese geisha bells, the whispering or shrieking of sequences of numbers, and at the work's climax the launch of

Concerts

toy rockets which descend via cleverly sprouted parachutes. All of that may make the work sound absurd, but it is, after all, about a dream. Heard in isolation it is an act of confrontation, a distillation of the battle between performer and medium. Where in most music the audience hears only the end results of that battle, *Piano Piece XIII* is a vivid translation of the processes involved in getting there.

But that does not prevent the music from possessing a raw sort of beauty, and in Mr Mead's performance every sound was made to count, each event springing organically from what had gone before. Even a feeling of a tonality centred on B eventually emerged. Such concern for motion and development was lacking in Stephen Montague's new piece, *Tongues of Fire*, which preceded the Stockhausen with a barrage of clever but inconsequential effects.

Stephen Pettitt

London debuts

Rewarded by the Kirckman Society with an official debut of his own, after a recent stand-in at five minutes' notice for a singer he was only advertised to accompany, the Australian pianist Piers Lane handsomely repaid their trust. It was moving to hear Brahms's youthful F minor Sonata dispatched with such technical assurance and accuracy, such tonal strength, such intuitive awareness of the intensity of its introspection no less than his demonstration by someone not very much older than the composer when he wrote it.

Ravel's *Gaspard de la nuit* reaffirmed the arrestingly vivid imagination behind his finger fluency and control of tone, even if he betrayed his youth in a "Le Gibet" as dangerously slow as "Scarbo" was fast, as well as hurrying instead of broadening the climax of "Ondine". Rhythm could perhaps have been truer in Weber's A flat Sonata.

The first of the new season's Maisie Lewis Young Artists Fund recitals introduced other British names to keep in mind. It would be wrong to dissociate the cellist Richard Lester from his pianist, Susan Tones, since in sonatas by Debussy and Beethoven (No 3), as also in Schumann's *Stäcke im Volkston*, Op 102, her characterization was engagingly spontaneous and positive enough sometimes even to suggest that her instrument, rather than his, was calling the tune. But of the sensitivity of Mr Lester's phrasing and shading, and equally of his beguilingly lyrical, even if not outside, tone, there was never a moment's doubt.

She shared the recital with Vanessa Williamson, a mezzo-soprano whose full-bodied tone and unaffected warmth of heart found as happy an outlet in Mahler and Strauss as did her verbal clarity and frankness in Vaughan Williams and Howells.

Joan Chissell

Theatre

The Emperor Jones Gate, Latchmere

Eugene O'Neill's rarely performed expressionistic one-act in a series that Lou Stein has successfully directed in the Gate Theatres at Notting Hill and here at Battersea. I enjoyed seeing it, though its phenomenal demands on the production and the leading actor are not entirely satisfied. The throne-room of the self-appointed Caribbean emperor is one thing, but the forests full of fears and memories, where he spends his long night on the run, strain illusion to the utmost in a pocket theatre - despite Norman Coates's ingenious set with its stark throne folding into a flat stage, circled by ropes that suggest both trees and the rigging of the slave-ship. What sustains the evening is its conviction: the second subtle, dedicated performance by a black company (plus one white actor here) that I have seen in a week.

Since *The Emperor Jones* was written in 1920 theatrical fashions have passed (O'Neill's *Chorus of Little Formless Fears* quaintly marks the date), self-styled black presidents as rapacious as Jones and much

more brutal have come and gone, and black music itself has developed. In this new score by the reggae drummer Barry Ford the tom-tom beat echoing through the forest as a numbing reminder of Jones's native enemies becomes more sophisticated, more appealing but less hypnotic.

But the ghostly scenes of slavery and murder from Jones's memory, however correct and acute they are, these close quarters, have an extra quality and Lewis St Juste's explosive arrival in a burst of flame as the grass-skirted, antelope-horned white doctor sets the scene for Jones's prostration for self-sacrifice murmuring, ironically enough, "Mercy, on Law...".

Mel Taylor makes an impressive but not intimidating Jones, curiously amiable and real even in debates with a Shavian gorbimime (Christopher Ryan) played as purest pastebord. His earth-bound terrors limit the play but I preferred his honest approach to a performance too blatantly conscious of Jones's mythic status, and it made him as pathetic as his grooming mates sailing to the slave auction all too few years before.

Anthony Masters

replied, a little crisply, "No". Whether she is right about travel itself, or whether in fact she meant what she said, some of the current desire to travel vicariously seems born of what the American writer Paul Fussell described in his book *Abroad as an "Ode to Freedom"*.

More even than in Waugh's day there seems to be a curiosity about a world either vanished or now prohibited, the brief historical period when the exotic places of the world were open to travellers now being apparently over. John Hemming, secretary of the Royal Geographical Society, reports a similar enthusiasm among young travellers, applying in ever greater numbers for support for expeditions to the few uncharted areas. Now, as perhaps never before, there is a nostalgia for the spirit of adventure that took a succession of doomed explorers across the inhospitable reaches of Africa, intrepid Victorian women to the Rocky Mountains and an Irishman called Arthur Kavanagh who, having no arms or legs, could neither walk nor ride, to Luristan, strapped inside a wicker basket.

كنا من الأصل



Your management isn't short of energy. But is your energy short of management?

In industry and commerce, the emphasis today is on the more efficient use of energy for greater profit.

At the forefront of this trend, the gas people have developed new technologies which offer payback periods as short as six months. The examples below prove that efficient energy management could be the key to greater profits for your company.

Liquid Heating leaves the steam age.

Until recently, most industrial liquid heating was carried out using steam supplied through transmission systems, a method which involves large energy losses.

A more effective use of the prime fuel is now possible using a high-intensity gas-fired immersion tube heating system developed at the Midlands Research Station of British Gas. A profitable application of this system is currently in use at a factory in Oldbury, West Midlands.

The wide range of steel tubes produced there are passed through heated tanks containing a variety of aqueous solutions during manufacture. Until recently all the tanks were heated by steam – but a programme is now under way to convert them to direct gas heating.

The first tank was converted as a pilot scheme for the rest of the site. Prior to conversion, the cost of steam for this tank was £179 per week. An immersion tube heating system was purchased from one of the licensees appointed by British Gas, and this was installed under the supervision of West Midlands Gas.

The performance was monitored by Midlands Research Station personnel, and an efficiency of over 80% was recorded with a running cost of £72 per week. This represents a saving of 60% which will recover the cost of the system in about six months. Conversion of a further 12 tanks is now in train and the ultimate savings are estimated at more than £65,000 per year.

How British Industry is recovering from the flue.

Some high-temperature heating systems – such as batch-operated forging furnaces – can waste over 70% of their heat input as a result of heat loss by the discharge of flue gases.

The latest design of recuperative burner, developed by the Midlands Research Station of British Gas, recovers a significant proportion of this waste heat by using the flue gases to preheat the incoming combustion air in an integral heat exchanger.

A Darlaston factory is currently using such a system to save significant amounts of energy and money.

The annual fuel bill on one of the forging furnaces alone has been reduced by £5,000.

Two recuperative burners were installed for a field trial, the design being the result of a development programme to improve performance, reduce costs and simplify maintenance.

Detailed records of fuel consumption and production rates have been kept for the recuperative burner fired furnace and other similar units without heat recovery. Comparisons show that the furnace with recuperative burners uses some 46% less fuel.

The 12 month field trial is now complete, the system has proved reliable and the company involved are now in consultation to convert more furnaces. The cost of converting each furnace is around £6,000, which gives a payback period of just over a year on five-day single shift working. With an improved level of furnace utilisation, this payback period could be even shorter.

Profit from our experience.

If these high-efficiency developments – or perhaps even more important, the "Energy for Profit" philosophy behind them – interests you, you owe it to yourself – and your shareholders – to find out more.

For details write to the gas people – British Gas, Technical Consultancy Service, 326 High Holborn, London WC1V 7PT.

WONDERFUEL GAS

FROM THE GAS PEOPLE

THE TIMES DIARY

A bird by any other name

The boycotting of Roald Dahl, on account of his anti-Israel article in The Literary Review has been short-lived. A pack of three of his children's books are now on sale at Marks & Spencer...

Howe about that

Lord Thomas of Swynnerton, foreign policy adviser to the Prime Minister, is a keen supporter of President Reagan's invasion of Grenada. It is thus a fitting coincidence...

Puzzling planner

Staff at the Independent Television Companies Association, the organization which coordinates the affairs of the 15 independent television contractors, are puzzled by the behaviour of their new programme planning director, Colin Shaw.

Clifford-Turner, the London solicitors for Banco Ambrosiano have made a rather macabre choice of company Christmas card this year. Admittedly, Clifford-Turner's offices are close by Blackfriars Bridge but while memories are still fresh of Ambrosiano's Robert Calvi sending up beneath the arches, the card, which shows a view of the bridge, doesn't strike one as particularly festive.

BARRY FANTONI



"Say, what's this cricket everyone keeps saying it ain't?"

Oil and water

The Welsh Water Authority is in splashy pursuit of the Aqua dollar. A brochure in Arabic, French and English has been distributed in the Middle East claiming it would be cheaper to import water from Wales than desalinating it from the sea.

Paper-chase

Several readers have written to complain about the treatment they received after visiting the Burlington House Antiques Fair. Not only were their handbags searched on their way in, but also on their way out, just in case they had managed to shoplift a walnut bonheur de jour or golden chalice.

Coo and bill

An unpaid telephone bill results, predictably enough, in a disconnected phone. Musician and filmmaker, Vivian Stanshall discovered that an overpaid bill brings the same unkind cut. Mr Stanshall received a telephone bill for £310.51. Absent-mindedly, he filled in a cheque for £310.53. His cheque was returned for amendment - although it would have been less complicated to allow him 2p credit against his next bill.

Cruise: Britain out on a limb

by Oonagh McDonald

We are told that the first cruise missiles may be arriving at their bases any time from today. With little sign of agreement at the international talks on nuclear forces, the Prime Minister alone has no qualms.

Her strident support for deployment is damaging because, as Willy Brandt, the former West German Chancellor, has said, "It encourages narrow-minded people in Washington".

The Bonn government is plainly worried about the extent of domestic unrest. Only a third of West Germans support deployment even if the Geneva talks fail.

More nuclear weapons, all under US control, are concentrated in West Germany than anywhere else in Europe.

Charles Meynell sees Sudan heading for civil war

The juggler misses a throw

A bloody civil war is unfolding in the vast and remote tracts of southern Sudan. War has been simmering since May, when southern troops began to mutiny and defect from army garrisons throughout the southern region.

Now the rain has dried, the land is drying and the anti-government guerrillas are on the offensive in the fight for the secession of southern Sudan.

It has happened before - from 1955 to 1972 - when about a million people died. In 1969 a 39-year-old colonel, Gaafar Nimeiry, seized power in Khartoum and set about finding a political solution to the civil war which since independence in 1955 had preoccupied successive governments.

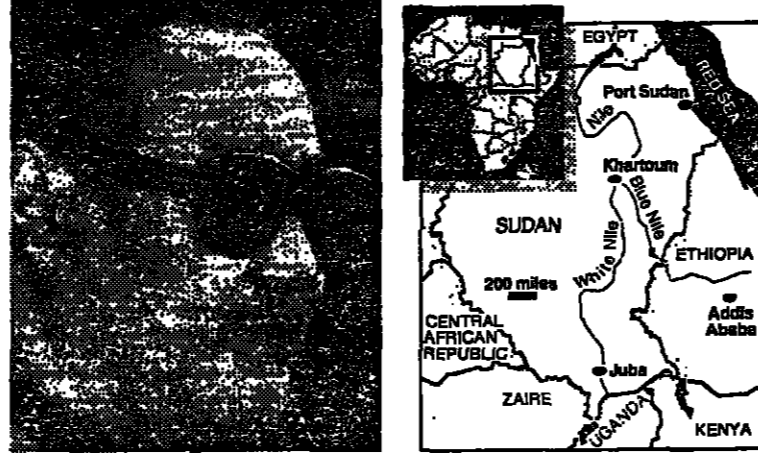
In 1972 Nimeiry and his government signed the Addis Ababa agreement with the southern guerrillas, the Anyanya. It provided regional autonomy for the south, entailing three regional governments and a regional peoples' assembly in Juba with a High Executive Council to oversee the whole of the south.

The arrangement was a compromise, but it worked after a fashion for 10 years. The south, which has the resources and agricultural potential the north still needs today, was beginning to establish the means for economic development with the help of international aid.

Nimeiry, having in 1971 purged the communists on whom he had once relied, began to cultivate the West, and by the mid-1970s was seen as a firm western ally in a much-troubled region.

Now, almost suddenly, southern Sudan is burning. Islamic (Sharia) law has been imposed by the Islamic north on the Christian south and Nimeiry's future looks bleak.

The first thing to observe is that Sudan - is too big for a central government to manage. The 1972



President Nimeiry running out of options

agreement with the southerners and the division respectively of the north and south into three regions last June was in theory a devolution of power. In political reality, however, it was presidential "divide and rule".

Nimeiry is not a statesman, but an excellent juggler. He failed to make his party - the Sudanese Socialist Union (SSU) - into anything more than a bureaucratic repository for politicians he wanted to neutralize.

As a result Sudan is bereft of institutions. Even the army is almost leaderless, certainly demoralized. Nimeiry, perhaps weary of even cursory attempts at political consensus, has retreated progressively into whimsical isolation.

The only obvious logic behind this is the possibility that Nimeiry now has to undercut the Muslim Brotherhood - the one remaining "opposition" organization with any power.

In the face of seemingly constant international criticism of his three-year-old regime in Turkey General Kenan Evren offers a simple head count to illustrate the benefits brought by military rule.

Three is nowhere nowadays, the general says where terrorism and anarchy could be totally eradicated in present circumstances because "certain countries encourage terror".

General Evren had some rough words to say about Greece, too, but in another context.

The general was summing up his view of his country's condition after the drastic discipline imposed by the armed forces. General elections take place on November 6 and will provide Turkey with its first Parliament since the last was dissolved by the military when they took power on September 12, 1980.

He became president of the republic a year ago when a new constitution was introduced and he is due to remain in office for another six years. He gave his summary of the situation in the only television interview he granted to mark the official opening of the election campaign, and this will be broadcast tonight by Italian state television.

The 65-year-old president does not at all live up to the idea one might well have of him as a heavy-handed soldier dispensing what he

include about 12 fairly senior army officers. There are now almost daily reports of attacks on government troops and massacres of villagers. Thousands of southerners have fled to Ethiopia, where some of the guerrillas have been trained.

The immediate future is explosive. Anyanya II is highly motivated, and has a core of professional officers, a good supply of small-arms and ammunition and the support of most southerners.

Nimeiry might still reckon that he can woo the Equatorial tribes of the extreme south into remaining aloof from Anyanya II.

Southern Sudan is a double tragedy. Northern Sudanese Muslims are an easy-going people, drawn into the desperate politics of what appears to be a benevolent dictator turned despot.

They argue, rightly, that the objection to a separate sovereign state of the south is better than for any other of Africa's disputed territories.

parliament which was to find solutions to all these problems did nothing.

This brought the general to his essential argument that then, as before, Turkish public opinion looked to the fighting services: "Naturally the Turks turned for hope to the armed forces because they believed that, as had been the case in the past, only the armed forces could clean up the situation, and put an end to this disastrous road so that Turkey would once again be able to live in a democratic regime."

On the delicate subject in Turkey of human rights, the president said: "Naturally citizens do have the right to life which they could not exercise. People were afraid that someone might knock at their door, afraid of theft or of death."

regards as fair, if rough, justice to politicians, terrorists, unionists, journalists and others who have felt the biting edge of the regime.

On the subject of the problems of dealing with the problems of the workers indulged themselves in ideology. Factories were occupied and illegal strikes were organized.

regards as fair, if rough, justice to politicians, terrorists, unionists, journalists and others who have felt the biting edge of the regime.

governments of Holland, Belgium, Italy, Denmark and Greece. As Brandt warns: "Nothing is gained for the alliance if we deploy some additional missiles and lose the support of the hearts and minds of millions of people concerned."

Reterrance, as the Prime Minister surely recognizes, is not just a matter of weapons - it requires unity of will and purpose. We are not a nation of pacifists. Britain cannot be isolated from her Nato allies to stand alone against Russia's might.

It makes sense, given all the risks, for Britain to join the growing demand for a pause in deployment. There is nothing to be lost and everything to be gained.

Charles Meynell is an Opposition junior spokesman on defence.

Roger Scruton

Peace is not just the absence of war

How can the "peace movement" be cured of its ruling illusions? How can it be brought to see that peace requires, not the absence of weapons, but the absence of war, that war exists just so long as enmity is not deterred, and that enmity - towards our freedom, our institutions, our custom, our religion and our ideals - has existed unaltered since 1917?

I do not know the answer to those questions. But I do know that "peace" means something more than the absence of war, and that, without that something more, the constant threat of war induces an unbearable longing for peace.

That is a religious belief, and the error of the "peace movement" as I see it, is to have transferred on to the work of human relations a sentiment that attaches properly only to God.

For us, "harm" has an earthly meaning, and includes such catastrophes as sickness and death. There is a certain impetuosity in supposing that we can guarantee that men will not produce those harms, by renouncing the intention to deter them.

Idolatry of the merely human is a normal feature of modern experience. It need not be dangerous, even if it is always faintly ridiculous; it becomes dangerous only in the face of genuine human enmity.

They argue, rightly, that the objection to a separate sovereign state of the south is better than for any other of Africa's disputed territories.

Now fashion me, the last stone On one of your thousand rings. Oh God - and I shall be filled With good things, and with peace. Having touched on the theme of

the opera from which those lines are taken, I can now turn to what concerns me: the work itself. How is it that this, which combines one of the greatest scores of our century, with the most poetic of modern librettos, should have been presented only once in London during the 65 years of its existence?

I am not blaming the opera houses. I have the greatest respect for all that they have recently done. Thanks to their efforts - and the efforts of the English National Opera in particular - we know that Janáček, Berg and Britten are the virtual peers of Verdi and Wagner.

For us, "harm" has an earthly meaning, and includes such catastrophes as sickness and death. There is a certain impetuosity in supposing that we can guarantee that men will not produce those harms, by renouncing the intention to deter them.

We Europeans, who wish never again to know the reality of war, should take a lesson from this work of imagination. We should see that peace is created only in the human soul, but also that the human soul must work to preserve the institutions which contain it.

Louis Blom-Cooper

A wrong weapon for fighting crime

The Home Secretary is clearly embarked on a penal policy radically different from those of all his recent predecessors, Labour and Conservative. While there is a firm commitment to build more prisons to alleviate overcrowding, the twin aim of drastically reducing the prison population has been abandoned.

To be fair, Mr Brittan has declared himself in favour of keeping minor offenders out of prison by providing the courts with the power to impose alternative punishments, and he says he favours the "shortest reasonable" sentences when imprisonment is unavoidable.

Instead, any onus for reducing sentences will fall on parole boards. Thus the question of how long a prisoner should stay in prison is being shifted perceptibly away from the judges to the executive, a dangerous precedent.

As far back as June 1977 the Advisory Council on the Penal System recommended that the courts should pass much shorter sentences for run-of-the-mill cases.

In response, the Lord Chief Justice and his colleagues in the Court of Appeal (Criminal Division) propounded a reduced use of imprisonment in a wide range of the less serious property and non-violent offences.

While there was some initial moderation in the length of prison sentences, the general pattern of sentencing has remained depressingly unaltered.

Act, appeared to be ignoring the plea for using the short, sharp shock of the minimum three weeks' detention in a detention centre. (It is perhaps a little too early to conclude that this trend will become the regular pattern of sentencing for young adult offenders, but the signs are ominous).

If it is necessary to curb sentencing powers, it should be done constitutionally - by legislation. Mr Brittan's proposals for the hard end of the penal spectrum - the violent, dangerous offender - are nakedly retributive.

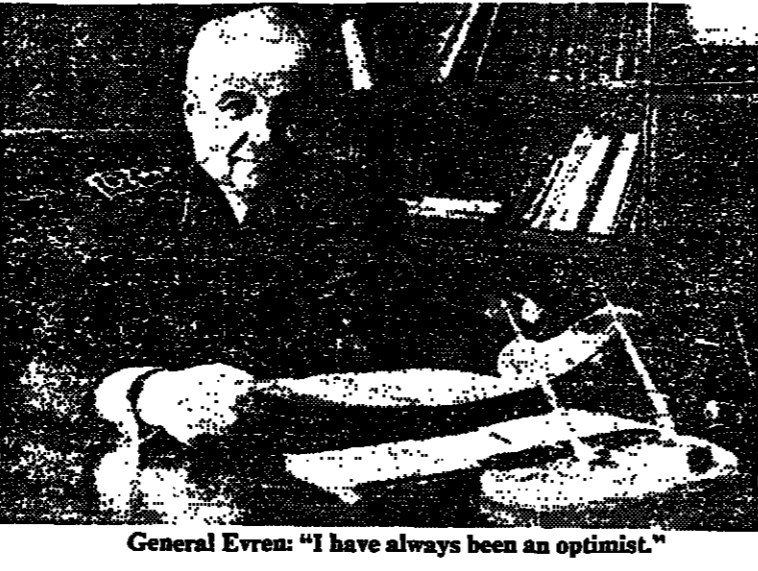
Mr Brittan's justification is the fact that in the past the framers of the penal policy lamentably failed to understand, care about or share the values and fears of the majority of people. He believes that adherence to past policies has weakened public confidence in the criminal justice system.

The new policy, which abandons the idea of a reduction in the prison population, radically departs from that of all other Western European countries. Their policy, actual or evolving, is for minimizing the use of criminal justice - and more so incarceration - to cope with the mass of offenders who now go to jail.

The new policy is the least helpful to the police, the courts, the prison service and the probation service - none of whom has given it public support. For once it is not just the penal reformers who oppose penal measures, those at the heart of the administration of criminal justice and the penal system privately express doubt and misgivings, and even outright opposition.

The author is a QC and chairman of the Howard League.

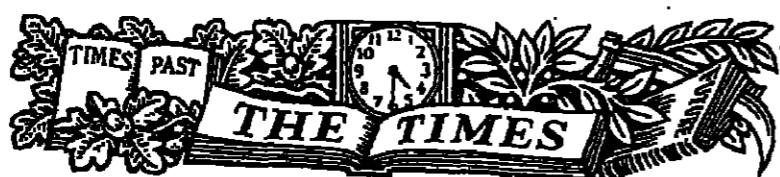
Turkey three years on: just what the general ordered



General Evren: "I have always been an optimist."

regards as fair, if rough, justice to politicians, terrorists, unionists, journalists and others who have felt the biting edge of the regime.

Peter Nichols



P.O. Box 7, 200 Gray's Inn Road, London WC1X 8EZ. Telephone: 01-837 1234

PERONISM IN DEFEAT

Senor Raul Alfonsin has once and for all ended the era in which Peronism could claim to be the unique mass party of Argentina...

generous pronouncement in victory, and some Peronists at least have reacted in similar spirit. But the defeat of Peronism is too palpable to be hidden...

as little as possible, and in the face of the mandate of these elections the date may well be brought forward. He has now the support for a critical hundred days, and the state of his country requires exceptional measures...

SECULAR AND SECTARIAN

Mr R. A. Butler's settlement of the century-old religious question in English state schooling has proved remarkably enduring. Teachers and parents remain broadly satisfied with the daily act of collective worship specified by the 1944 Education Act...

promoters of the Yesodey Hatorah Girls' Primary School in Stamford Hill, Hackney are applying (for a second time) for state support. The application has cogency. The school, which charges only small fees, has mobilized intense parental interest in a Hassidic community of determined beliefs...

this test case. Inevitably they concern money. By his own department's calculation the IEA is wildly "over-spent"; it is tardy in reducing its school places in line with falling rolls; a new commitment by the IEA in Hackney would put additional pressure on redundant maintained primary schools...

BACKBENCH DRIVING

John Hoskyns did not rail against the Establishment in Friday's Commons debate. The Civil Service, the first for five years, addressed itself to some of the issues Mrs Thatcher's former senior policy adviser wishes to see at the top of the political agenda...

and the first steps towards a reassertion of Commons control over the supply estimates. Many of the causes he has pressed have eventually been taken up by government. On Friday Mr du Cann guided the debate towards the constitutional issues that matter, the nature of Civil Service power and the imbalance he sees between elected persons (ministers and backbenchers) and appointed persons (officials)...

mittees in particular to play a significant part in the process. He believes the performance of those committees since 1979 has shown that civil servants now have a wider role - to serve not just ministers but backbench MPs as well by coming and giving evidence at select committee hearings...

Religious insight

From Fr Deryck Hanshell, SJ. Julian of Norwich's insight into the motherhood in God is at once more subtle and more trinitarian. Yours faithfully, DERYCK HANSHELL, St Ignatius' Presbytery, 27 High Road, N15, October 27.

masculine noun with feminine endings.

Female of the species

From Professor B. A. Thrush, FRS. I have just received a letter addressed to Profm B. A. Thrush. Would the corresponding feminine form be "Proforma"? Yours faithfully, B.A. THRUSH, Department of Physical Chemistry, University of Cambridge, Lensfield Road, Cambridge.

Fear of clash on farm tenancies

From Mr Peter Trumper and others. Sir, We are responsible, between us, for the management of more than two million acres of agricultural land to tenants; land which is owned by individuals, institutions, charities, pension funds, local authorities and others...

From Mr T. H. Guyatt. Sir, I am 85 and can remember the days when successful tenant-farmers told me how they started as farm labourers, getting a bit of land and selling their produce from door to door by means of a horse and cart...

From Mr J. W. Lambert. Sir, Sir Ian Hunter (October 24) raises a matter of great importance and potential benefit to the future of civilised life; and I hope Lord Gowers, as Minister for the Arts, will feel able to take it seriously, even in today's inhospitable climate...

Planning for leisure

From Mr J. W. Lambert. Sir, Sir Ian Hunter (October 24) raises a matter of great importance and potential benefit to the future of civilised life; and I hope Lord Gowers, as Minister for the Arts, will feel able to take it seriously, even in today's inhospitable climate...

From Mr M. B. F. Ranken. Sir, Your third leader on October 21 rightly warned against a downgrading of the public image of the Department of Transport but implied that Mr Nicholas Ridley's only important tasks are in the heavily subsidised internal rail, bus and road sectors. It also mentioned the major change made by Mrs Thatcher in June, when she transferred shipping and aviation - both primarily international - from the Department of Trade to the Department of Transport...

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LETTERS TO THE EDITOR

Principles behind invasion of Grenada

From Sir Peter Smithers. Sir, Events in Grenada provide an interesting example of the ability of Russian policy to create "no-lose" situations. Grenada is a small island with a population of 110,000 persons. In the United States a town of this size would be considered insignificant. Cuban and Russian technicians have constructed an airfield in this primitive community which would be capable of accommodating nuclear bombers and other heavy military aircraft...

From Mr John Hartnell. Sir, Your leading article on Grenada (October 26) begins well, but ends badly. To claim, on the one hand, that US aggression against Grenada constitutes a "breach of international law and the Charter of the United Nations" and yet on the other that the selfsame action "may provide a usefully salutary warning in some quarters", is a grotesque evasion of a fundamental principle...

From Mr Peter Foster. Sir, Fervently, the intervention in Grenada is being compared to the USA, where lawyer advertising has been permitted for several years, only a small percentage of the profession advertise and those only in a relatively limited range of legal work. There is no reliable evidence that it has had any noticeable effect on the cost of legal services...

Advertising by lawyers

From Mr Graham Lee. Sir, Torin Douglas (The Times, September 30) may be surprised to learn that The Law Society is not totally opposed to the concept of informative advertising by solicitors. This has taken place through the medium of legal-aid directories for some years and in March, 1984, a new form of solicitors' directory will be published by The Law Society...

When tax is an ass

From Mr M. Martin. Sir, Your leader, "Tasks for Mr Tebbit" (October 18), touches on the subject of tax. In the current regional development policy, as one who is closely involved with a labour-intensive manufacturing company in an unemployment blackspot (25 per cent) in the north of the country I have had first-hand experience of the strong conflicts that exist...

Large parts... were trading at below the break-even point. Also in September, the chairman of the International Maritime Industries Forum stated that "the maritime industry had never had a worse year - that is until this year". Seaborne trade dropped drastically in 1981-82, for the first time in all sectors, averaging 8 per cent in tonnage, 10 per cent in ton-mile performance. UK trade in 1980 totalled 232m tonnes, one third carried in UK registered ships, but it has dropped since and we are now net importers of manufactured goods...

Care of London's listed buildings

From the Chairman of the Royal Fine Art Commission. Sir, The Royal Fine Art Commission's long experience of the GLC Historic Building Panel suggests that Mr Norman Howard (October 22) is too modest. The officers of its Historic Buildings Division have given invaluable help to my commission over the years in enabling it to reach its views...

From Mr Desmond Flower. Sir, May I support the letter of Mr Cutler (October 22) on the distressing anomaly about Argentine books. Early in September I wrote to my Member of Parliament on this subject and, after a prompt and courteous acknowledgment, took immediate action. In due course he sent me a copy of a letter which he had received from the Minister of State, Treasury, dated September 17...

From Dr Cecil Isola. Sir, I would like to refer to Mr Robert Peliza's letter (October 24), in which he states, quite erroneously, that Gibraltarans, like the English, Scots, Welsh and Northern Irish, are full British citizens. The majority of Gibraltarans have not opted yet for full British citizenship, as Mr Peliza stated. Gibraltarans would like to be represented in the European Parliament as Gibraltarans and not as a minority group of British citizens who live on the Iberian peninsula...

Vote for Gibraltarans

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Health hazards

From Dr P. W. M. Copeman. Sir, Dundee's "neonatal secretary" (letter, October 27) sounds to be a more healthy hazard than our hospital's "pathological laboratory". P. W. M. COPEMAN, Department of Dermatology, Westminster Hospital, SW1, October 27.

From Dr N. D. Groves. Sir, A signpost near the Casualty Department of my previous hospital directed patients to the "Traumatic Department". Yours faithfully, N. D. GROVES, Nuffield Department of Anaesthetics, The Radcliffe Infirmary, Oxford, October 27.

ADVERTISEMENT

Marketing - The Key to Prosperity

Ask the five winners of the 1983 National Marketing Awards to what they attribute their outstandingly successful financial performance and they would all stress the importance of a planned and sustained marketing effort.

The purpose of the Awards, now in their 22nd year, is not only to pay tribute to the successful companies but also to demonstrate how an effective marketing plan can result in a considerable and sometimes dramatic improvement in growth and profitability.

Barratt Developments, joint winners with Sainsbury's of the Award for companies with a turnover above £50m, have brought about a revolution in the house building industry during the last 15 years. They have achieved this by concentrating on marketing philosophy, product innovation and by de-centralising their management structure. The company now dominates the house building sector with 18,000 homes planned for this year - 7,000 more than their nearest rival.

Until Barratt's segmented the market it was product dominated and the single family three-bedroom "semi" reigned supreme. Barratt's realised that housing needs change and set about satisfying demand by researching the type and style of house people wanted and then designed and built them at a price which people could afford. A range of new style homes were developed for particular segments of the market - "Solo" studio flats for the young first time buyer through a whole range of designs and sizes to retirement accommodation for the elderly. Another major innovation in marketing terms was the total service which Barratt provided to house buyers including help with the mortgage.

Strong branding has been at the centre of their company's philosophy and the familiar helicopter and oak tree appear regularly in TV advertising while national press ads stress the ease of buying Barratt with special purchase plans.

The result of Barratt's efforts has been to raise the company's turnover and profit

dramatically in a fairly depressed market. Profit before tax shot up from £5.6m in 1973 to £52.2m in 1983.

Sainsbury's is the UK's most successful food retailer. Accelerated growth has been achieved over the last five years since the "Discount" programme was introduced. This is a modern interpretation and continuation of Sainsbury's traditional policy - that the company's lead in quality should be matched by a lead in low prices.

The "Discount" programme set out to offer new low prices which could be maintained, long-term, over a wide range of frequently purchased foods. Shopping hours were increased by 25%, flexible ordering systems responded quickly to the customers' requirements and an efficient distribution network ensured fully stocked shelves. The product range was improved and extended and many new innovative lines were introduced.

A full range of marketing techniques was employed and the two main components were market research and advertising. Market research evaluated and monitored the fast changing requirements of Sainsbury's customers. Advertising on TV, in newspapers and magazines all combined to reinforce the themes of "Discount" and the well established slogan "Good Food Costs Less at Sainsbury's".

The "Discount" strategy was a great success. While competition intensified, Sainsbury's maintained a steady and consistent marketing position and, in the five years since the planned approach was introduced, Sainsbury's sales increased by 283% from £811m to £2,293m; sales per employee rose 60% and, at the same time, 12,000 new jobs were created.

Sodastream, winner of the Award for companies with a turnover of above £20m and up to £50m, has grown dramatically since 1973 and in ten years a £25m business has been built up employing 500 people.

The company manufactures and sells Sodastream machines, refill cylinders and concentrates. In 1979 it adopted a prin-

ciple fundamental to its future success - it established that it was not only in the home carbonated drinks market (which it dominates with a 94% share) - it was in the take home soft drinks business. In this sector it has now carved out a 6.6% share against competition from well established big brand names.

Sodastream's marketing strategy, based on research, has been to promote its products to families with children and 1.5 million homes in the UK now have a Sodastream system. The "Get Busy with the Fizzy" TV advertising campaign rapidly increased awareness and the fun aspect of the machine appealed to both adults and children. There were benefits of economy in comparison with take home drinks. The convenience of the system, and wide distribution through 6,000 outlets helped to build Sodastream's share of the market.

Sodastream now operates on an international basis and half the company's production of machines and cylinders is exported to 20 countries. In 1980 they won the Queen's Award for Export Achievement.

Horsell Graphic Industries manufactures offset litho plates and a range of chemicals and other products for the printing industry at its headquarters in Morley near Leeds. They win the Award for companies with a turnover of above £5m and up to £20m.

In the sixties and early seventies Horsell could sell everything it produced but in 1978 it became apparent that a different approach would be needed. Research gave the company the information it needed about the total market, which was declining. They also undertook an analysis of customer requirements and reviewed their product range in the light of this.

As a result of this study some products were discontinued and a number of initiatives were taken. The technical department developed a plate "Taurus" with an exposure time faster than any competitors. This was the first of a new range of products launched with astron-

omy-linked brand names. "Aquatius", a negative plate with a water based developer, followed soon after and then the "Gemini" system, an innovation in the industry which enabled positive and negative plates to be used with one set of chemicals.

In 1981 a £1.5m reel fed computer controlled production facility came on stream. This system is widely regarded as the most modern installation of its kind in the West.

Horsell's return on capital has grown from 22.5% in 1979 to 29% in the current year and Horsell now have export sales accounting for over 40% of their turnover.

Bath replacements now vastly outnumber new installations and acrylic baths now account for 64% of sales. Ram Bathrooms Limited was formed in 1980 to capture a share of this growing acrylic market and trading under the name Spring Bathrooms it now supplies 20% of all acrylic baths sold. Its factory is at Sowerby Bridge near Halifax and Spring win the Award for companies with turnover up to £5m.

Architects, builders and plumbers made the decisions about bath installations but Spring planned to involve the consumer. Now more people choose their own bath and in many cases install it themselves. Design played a vital role in the company's strategy and their range included modern designs with features previously only available with more expensive luxury products.

Product availability was all-important at a time when distributors were de-stocking. A new manufacturing process perfected by Spring's engineers enabled quick change over of moulds and this facilitated a "made to measure" mode of operation.

Spring distributes its products mainly through major DIY multiples, and builders merchants. Through own branding and special promotions it has forged strong ties with retailers. The company's commitment to design and their distribution strategy has paid off handsomely and the first figures issued since Spring Ram Corporation plc went public earlier this year show a half year pre-tax profit of £635,000 on a turnover which has now risen to £5.82m.

All the components of marketing - research, design, product planning, pricing, advertising and promotion, sales and distribution - have played their part in the success stories of the Marketing Award winners this year. The opportunities these companies grasped in their particular sectors exist in abundance elsewhere and valuable lessons can be learned from the initiatives taken.

It is also worth noting that each of these companies has increased employment opportunities, by over 12,000 jobs in the case of Sainsbury's, for example, and this alone is an excellent reason for exhorting more companies to adopt a dynamic marketing approach at the present time.

Teaching by example

One of the "Victorian values" which is currently enjoying a revival is the increasing amount of attention which businesses are now paying to the requirement of their customers. The recession has brought to an end the days when companies could sell everything they produced and the competition for existing business has brought about a remarkable interest in marketing and marketing techniques.

Peter Blood, Director General of the Institute of Marketing, hopes that this new awareness will, once and for all, end the belief that marketing is just another word for selling. "There is certainly a greater recognition, at all levels, of the need for companies to have a planned approach to securing and keeping customers" he says. "But the industrial sector in particular has been slow to adapt to market changes." To support this view Blood quotes from a 1981 NEDO Sector Working Party report which said "The sector committees continue to identify the lack of commitment to marketing as the single most important constraint on improving UK and overseas market shares".

"Our Award winners and other successful companies have demonstrated that marketing is not an expensive luxury. By adopting a marketing philosophy which permeates the whole organisation, it is possible to achieve outstanding results without spending a fortune" says Blood.

The Institute of Marketing is about to publish a survey which provides evidence that there is a noticeably higher profit level in companies which claim to operate a marketing strategy. So, what holds some companies back from following their example?

Two major constraints to progress were identified by 300 top executives questioned last March - a shortage of well trained marketing executives and a lack of commitment to marketing at Board level.

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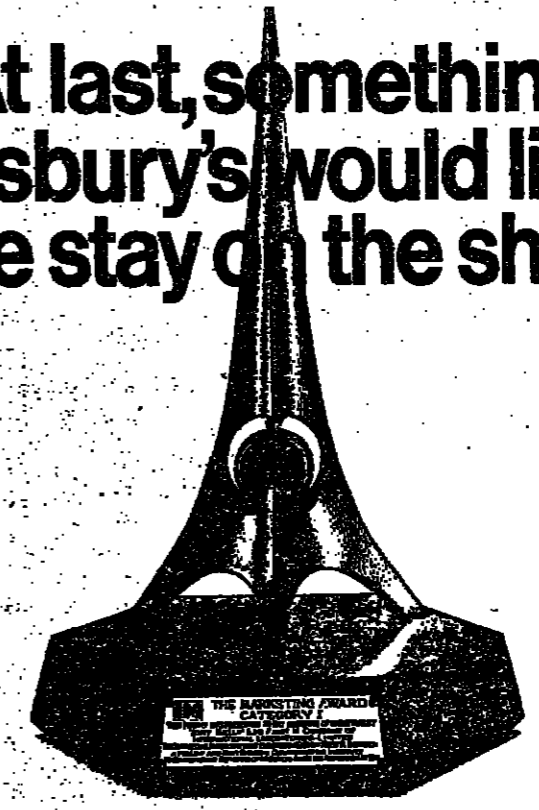
Manufacturing and Design Consultancy Services, may eventually be set up. "If this comes into being it will make available a fund of marketing expertise which many companies, particularly in the industrial manufacturing sector, lack" says Blood.

The Institute's own Marketing Advisory Service is believed to be unique and involves over forty managing or marketing directors who voluntarily give up some of their time to advise individual companies with a marketing problem. The participants include Sir Kenneth Corfield, Chairman and Chief Executive of STC and Eddie Nixon, Chairman and Chief Executive of IBM, and a few hours of their time could bring a breadth of knowledge and experience which would be almost impossible to obtain elsewhere. However, Blood is quick to point out that this service is not offering long-term consultancy and many businesses require a more sustained level of marketing support.

The standards of professionalism in marketing have risen dramatically over the past ten years, and a recognised marketing qualification, together with management experience, is now a mandatory requirement for membership of the Institute of Marketing. Over 5,000 students in the UK are studying for the Institute's Diploma in Marketing and about 3,000 young people acquire some kind of marketing qualification from universities and colleges each year. However, there is still a long way to go in convincing top management that, just as they would not employ an unqualified accountant, engineer or architect, they should not gamble with their company's future by employing unqualified marketing executives.

Blood believes that the recession has led to a great improvement in the standard of management in general, and of marketing management in particular. The level of interest in marketing and sales training is a good guide to the state of the economy and the Institute's College of Marketing at Cookham in Berkshire has shown an increased level of occupancy in the last few months. "The best way to teach is by example" says Blood. "I am delighted to say that our Institute's return on average capital employed was 33.5%, which is certainly better than the national average. The good news is that, because we are a professional body, owned by the members, all this money goes towards improving our services and publicising the importance of marketing to the British economy."

At last, something Sainsbury's would like to see stay on the shelf.



Congratulations to

Sainsbury
Sodastream
Horsell Graphic Industries
Spring Bathrooms

From **Barratt**
Building houses to make homes in

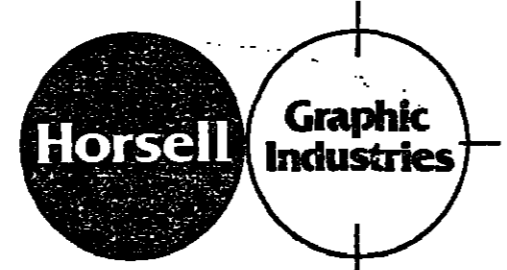
10/10 ✓

Full marks and Congratulations to the Winners



pacemakers

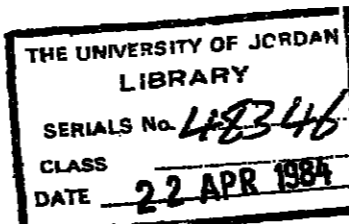
n. pl. those who set standards that others are judged by.



pacemakers in printing products:

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Telephone: 0532 537711

making fashion bathrooms that make bathrooms fashion



Spring Bathrooms

THE SPRING RAM CORPORATION PLC
Spring Bank Ind Estate, Sowerby Bridge, Halifax, W. Yorks
Tel: 0422 839558

Zero to £25 million in ten years

- a soft drinks success story

SodaStream

the drink makers

The National Marketing Awards

The National Marketing Awards have been presented annually by the Institute of Marketing since 1961 to recognise the marketing achievements of British companies and thus give encouragement to every business throughout the country. The four Awards are made on the basis of a written submission.

- The adjudicating panel evaluate the submission by assessing the company's performance under the following headings:
- Use of marketing approach and techniques
 - Marketing Performance
 - Company Growth and Profit
 - Innovation and Exploitation

For more information write to the Director General, Institute of Marketing, Moor Hall, Cookham, Berks SL6 9QH

RECENT ISSUES table with columns for issue name, price, and change.

BRITISH FUNDS table with columns for fund name, price, and change.

MEDIUM table with columns for company name, price, and change.

LONG table with columns for company name, price, and change.

COMMONWEALTH AND FOREIGN table with columns for company name, price, and change.

LOCAL AUTHORITIES table with columns for authority name, price, and change.

DOLLAR STOCKS table with columns for company name, price, and change.

BANKS AND DISCOUNTS table with columns for bank name, price, and change.

BREWERIES AND DISTILLERIES table with columns for company name, price, and change.

COMMERCIAL AND INDUSTRIAL table with columns for company name, price, and change.

Table with columns for company name, price, and change.

Shares of Akroyd & Smithers, the biggest of London's two publicly-quoted stockbrokers, surged 28p to a new high of 453p yesterday on rumours that one of the big American brokers is building up a stake.

Security Pacific, who last year paid between £10m and £12m for a 30 per cent stake in the broker, Hoare Govett, was being tipped as a favourite contender.

Last night, Mr Timothy Nixon, finance partner at Akroyd, admitted he had heard the rumours, but said: "I have nothing to tell you that would be of any constructive use."

Certainly, one broker appeared to be active in the shares market, although this might be explained by the full-year figures, due out later this month.

Last year, Akroyd made record pretax profits of £29m, but given this year's record-breaking performance in the equity market and the level of Government funding, the gilts market, profits are easily expected to exceed this figure.

Shareholders are also looking forward to a bumper dividend payment. Last year, they received a total of 23p gross.

However, at the interim stage, Akroyd reported profits down from £10.6m to £9.4m.

Yesterday's flurry of activity was also good news for smaller firms.

Lilleshall yesterday denied that its 20.5-acre former steel works will form the key office and hotel development site in the Telford Enterprise zone.

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MARKET REPORT by Michael Clark

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last time. In this the group's centennial year, shareholders are looking for a little something extra from the board - possibly a free share dividend.

Mr Frank Phillips has paid £100,000 cash to his former employers, Amalgamated Estates as part of an out-of-court settlement following his departure as managing director last month.

Amalgamated confirmed the figure last night. As part of a recovery, the English Associated Trusts have a share in £1.2m rights at 7p a share. Last night the shares closed unchanged at 87p.

Private housebuilder Barratt Developments enjoyed a 12p rise to 192p following some words of encouragement from Sir Lawrie Barratt, chairman, in his annual report.

Sales of new houses are well up to expectations in both Britain and the United States and Sir Lawrie is confident about the group's ability to achieve planned growth in 1984 and beyond.

A bid looks near for De Vere Hotels and Restaurants, owner of London's famous Mirabelle restaurant and a string of provincial hotels.

The chairman, Mr Leopold Muller, aged 81, and his deputy, Mr Leonard Jackson, would be receptive to an offer, at least, of an agreeable price.

Mr Muller has more than 51 per cent of the capital. At 27p, De Vere's shares are at a peak.

Among the High Street this Christmas, there has been a few late runners looking for nearer £12m.

Stores were also buoyant on hopes of a bumper spending spree in the High Street this Christmas. There has been a few late runners looking for nearer £12m.

THE TIMES 1000 1982/1983 The World's Top Companies

Table of top companies with columns for company name, price, and change.

Table of shipping companies with columns for company name, price, and change.

Table of financial trusts with columns for company name, price, and change.

Table of insurance companies with columns for company name, price, and change.

Table of investment trusts with columns for company name, price, and change.

Table of plantations with columns for company name, price, and change.

Table of miscellaneous securities with columns for company name, price, and change.

Sterling Spot and Forward

Table of sterling spot and forward rates for various currencies.

Money Market Rates

Table of money market rates including clearing bank base rate and overnight rates.

Other Markets

Table of other markets including Australia, Bahrain, Hong Kong, and others.

Dollar Spot Rates

Table of dollar spot rates for various countries.

Euro-£ Deposits

Table of Euro-£ deposits for various banks and terms.

Gold

Table of gold prices and related information.



كندا من الأصل

سكنا من الأصل

Marketing and advertising: Torin Douglas reports on the boom in PR

The poor relation improves its public image



Harold Burson (above): "Brand managers have discovered public relations as a support tool". Qualcast's advertisement (right) was the result of this PR support.



APPOINTMENTS

US post for Gillette chairman

Gillette Industries: Mr R. H. Burton will retire as chairman on January 1 when he will become deputy to the chairman of the department, Gillette Company, Boston.

Baker & McKenzie: Mr Anthony Davies has been appointed to the partnership, R Robert Rice, recently resident in Baker & McKenzie Hongkong and Singapore, has now returned to the London partnership.

Location of Industry Bureau: Mr du Parc Braham has joined the board.

Stockdale Filtration Systems and Fluid Systems Europe BV: Mr Geoffrey Sneddon has become managing director of both companies.

Scott Paper International: Mr Raymond Dinkin has been appointed vice president - Continental Europe.

MCP Electronics: Mr Ronald Adams has been promoted to managing director.

Thorn EMI Dynastek: Mr Donald Billington becomes technical director, while Mr Colin Richards has been promoted to financial director.

Protec: Dr John Ballard has been made a technical business manager.

SE Tietz & Partners: Mr R. S. Narayanan has been made a partner.

Highgate Optical & Industrial: Mr John Tozer, a director, has been elected chairman.

St James's Corporate Communications: Mr Simon Culham is now chief executive. Mr Peter Frost, has been appointed executive deputy chairman. Mr Robert Colburn and Mr John Ellwood, have become directors of the agency and Mr Roy Bennett, Miss Diane Johnson and Mr Derek Prebble have been made associate directors. Mr John Castle, the chief executive of Lopex, has been appointed non-executive chairman of St James's following the retirement from full-time executive duties of Mr Harry Bengough. Mr Bengough will retain his connexion with St James's as a consultant.

Alexander Howden Group: Mr R. M. Page is now a director.

Bain Davies Credit: Mr Dugald Graham-Campbell has been appointed a director.

Charterhouse Petroleum: Mr Tim Egar, MP, joins the board.

The public relations industry has traditionally done a pretty poor job on itself for a business whose job is to ensure its clients are seen in the best light. The industry attracts few plaudits, many brickbats, is sneered at by many journalists and is looked down as the poor relation of the big-budget advertising world.

Yet there are signs, particularly within the marketing business, that public relations is being taken more seriously as a management function that can have a beneficial impact on the balance sheet.

This is true not just in Britain where in the last five or six years a number of highly marketing-oriented public relations companies have been set up, but in other parts of the world.

Mr Harold Burson, chairman and chief executive officer of Burson-Marsteller, the world's largest consumer marketing public relations company says: "Something rather remarkable has happened in the last five or ten years. Brand managers have discovered public relations as a support tool which had not been recognized before. There is a clearer focus on how to use publicity and a willingness to commit larger sums of money to accomplish objectives."

Mr Burson, who set up his company 30 years ago, has been in London discussing the state of the public relations business. London is the group's third largest office, after New York and Chicago, and accounts for about 45 per cent of the company's business in Europe.

"One reason for the increasing use of public relations by marketing management is the high cost of delivering television messages, which means that it is becoming more important to maximize the effectiveness of those messages in additional ways," he says.

"Another is simply the tyranny of the 30-second commercial, which severely limits the message one can put across at a time when the consumer has an ever greater hunger for information about products - the ingredients, new forms of usage and so on.

"We in public relations are able to extend the scope of the messages, not just to the consumer, but to regulatory bodies, schools, the medical profession and other more narrowly-segmented audiences."

Public relations, Mr Burson, emphasises is not a replacement for media advertising. "Public relations cannot provide the frequency to keep a major brand in front of the public and unless we recognize that we are a support tool we are fooling

ourselves" he says. We can nevertheless enable an advertiser to get more from his media expenditure by giving him more credibility and recognition and by reaching specific groups of people.

Such an argument may not seem surprising, given that Burson-Marsteller has always had an advertising agency arm and that it is now a subsidiary of Young & Rubicam America's biggest advertising agency.

Many of the biggest public relations companies, both in Britain and worldwide, are owned by advertising agencies, but even those that are not, work closely with their clients' advertising staff.

A good example is the case of Qualcast, the lawn mower manufacturer which has been locked in the "hover bover" war with rival Flymo for three years.

It was the commercials by the advertising agency Wight Collins Rutherford Scott that formed the spearhead of Qualcast's campaign to show that its rival's rotary hover mowers

were not as convenient as they seemed, but it was the public relations company, Biss Lancaster, that ensured that the press covered the row. When it organized a challenge match between the two mower companies this year, the resultant press cuttings formed the basis for a new advertisement.

Biss Lancaster claims it is unusual in that its directors come from the client side of marketing and advertising rather than journalism and that this makes it better able to understand a client's needs.

Managing partner Ms Adele Biss was a Unilever brand manager and head of communications at Thomson Travel, while Mr Graham Lancaster was previously head of public affairs at the Association of British Travel Agents.

Ms Biss echoes Mr Burson's views on the ability of public relations to reach more narrowly-defined audiences than advertising. In the case of Qualcast, for example, it ensured that the gardening press was fully informed of the

research that had gone into its performance claims. "Narrowcasting is becoming more and more important and the growth of local radio and local freshets enables us to get a lot more mileage for our clients", she says.

Radio is a particularly useful channel for newspapers and magazines which want to get publicity for their stories, but it requires a great deal of time and planning. One of the signs of the growing acceptance of public relations within journalism is the fact that Fleet Street is using consultants more heavily and consistently than before.

Biss Lancaster works for Express Newspapers. Times Newspapers uses Grand Communications - the sister company of its advertising agency, Grandfield Rork Collins - and Associated Newspapers has employed Communications Strategy on the Mail on Sunday since the pre-launch planning stage.

Mr Bruce Clark, chairman of Communications Strategy says: "We now have someone who sits in the Mail on Sunday's office on Saturday night who will get onto the other press or local radio with stories from the paper, in order to promote it to the customer."

"We work very closely with the editorial department, but we also work on all other aspects of the marketing of the paper, such as promoting it to advertisers and the wholesalers and retailers."

The Mail on Sunday, however, does provide an example of the problems a public relations consultancy can face when its client is going through a bad patch. In the weeks after the paper's launch, when things clearly were not going well, Communications Strategy had to put the best possible face on the situation. It was still doing so the day before the departure of the original editor, after which its client was finally prepared to admit things had gone wrong.

"It was a very difficult situation, but one of those things that we have got to live with," Mr Clark says. "Experienced journalists know that if you are being paid to project the best possible face for a company you will do just that, but you must be truthful. If you lose your credibility, you are dead."

Credibility is a critical issue for public relations companies not least because the end product of their labours is often seen as being more independent - and hence more valuable to the client - than an advertisement, because it is in the form of editorial.

Public relations, like advertising, has survived the recession in remarkably good shape avoiding the fate of an optional extra overhead. "In earlier recessions, both public relations and advertising were hit hard, but this time public relations consultancies generally do not seem to have been affected," Mr Burson says.

The public relations business in Britain is certainly growing. The Public Relations Consultants Association reports that its members' fee income has almost trebled in three years and a survey of 10 large consultancies has recorded that business was booming with total expenditure likely to approach £100m this year.

So far only one company - Good Relations - is publicly quoted and it has now made the transition from the Unlisted Securities Market to the Stock Exchange, but it is unlikely that the USM will remain for long without any public relations companies in its ranks. About five of the larger consultancies are now considering taking the plunge.

Whitehall notebook How Britain fudged its oil prediction

Britain is now producing oil from the North Sea at the rate of 2.4 million barrels a day, the highest level yet achieved.

By a neat coincidence, news of this latest milestone emerged a few days ago at the same time as ministers from the Organization of Petroleum Exporting Countries were holding a meeting of their market monitoring committee, and addressing themselves to the familiar problem of how to share out among themselves the stubbornly modest world demand for their oil.

What happens in the North Sea and what happens at Opec are directly related, as everybody is now aware. Rising oil production from Britain and other non-Opec producers such as Norway and Mexico has been one of the most important factors behind Opec's persistent difficulties in shoring up the oil price against market pressures for a fall.

The diplomatic tightrope that Mr Nigel Lawson, then Britain's Secretary of State for Energy, has to walk during his former's marathon Opec meeting in London demonstrated that Britain could not wash its hands of the oil price business, much as it might have liked.

What is interesting about the latest oil production figures is that they mean that Britain's North Sea output this year will probably average just under 2.5 million barrels a day, as opposed to just under 2.1 million barrels a day last year. This increase - of some 10 per cent - compares with Mr Lawson's assurance to Opec in March that North Sea output was expected to be "about the same" this year as last.

At the time, the assurances raised some eyebrows in the industry, not least at the British National Oil Corporation, which was providing MPs with its own predictions of future North Sea output, showing all too accurately the rise in production that has now occurred.

Now the assurance can be more clearly seen as the kind of diplomatic "fudge" that Mr Lawson had little choice but to make, as he cast round for some, to give the Opec ministers as they camped on his doorstep, and pleaded for

Britain to join in their efforts to fix price and production levels.

Though they made much of these assurances at the time, it must be doubtful whether Sheikh Ahmed Zaki Yamani and the astute Opec ministers really believed that Britain was going to abandon its established policy.

A recent speech by Mr Richard Leese, Minister of State at the Foreign Office, on Britain's policy towards Opec reiterated the official line that the Government has no wish or power to restrain production, at least until the so-called Varley assurances run out at the end of next year. Mr Eric Varley, when Labour's Energy Secretary, promised the oil companies that he would not force them to cut production on the early fields.

Now that he is installed as Chancellor, Mr Lawson is unlikely to want to resist the domestic financial pressures to keep the North Sea revenues running at the maximum possible level through the middle of the 1990s.

By 1987, North Sea oil output will be starting to decline, and the Government is already aware of the urgency of encouraging new developments to replace the lost production. As Mr Martin Lovegrove, the respected North Sea consultant, pointed out in a recent book, "It now looks as though government-imposed production cutbacks for depletion reasons are a dead issue."

This raises the question of what, if anything, the British Government can offer Opec the next time there is an oil price crisis, and it is called upon to do something to assist in maintaining "oil price stability".

Mr Leese emphasized the need for bilateral contacts with Opec members to "keep in touch on important economic and political questions".

Ministers have clearly learnt valuable lessons from their March experience, but whether this has developed into a meaningful policy - other than fudging and muddling in the hope that the crisis will blow over - is something that has not yet become apparent.

Jonathan Davis

Table with multiple columns containing financial data, including 'Authorized Units & Insurance Funds' and various company listings with numerical values.

Classroom computer competition

Number five in our 12 weekly Classroom Computer competitions broke all records; we had the highest number of entries yet and a remarkably high proportion were all correct.

The request for a new explanation of the acronym BASIC provided some very clever and imaginative entries. The younger ones seemed to have a more fertile imagination than the older entrants.

The judges considered that "Be assured, syntax is critical" and "Blood and sweat are compulsory" adequately summed up the frustrations of using BASIC. Those whose explanations praised the language for being simple and designed for ease of use were not penalized for their views.

There are two age groups - up to 15 and 18 inclusive. Entries will be individual efforts but because we are keen that schools should become involved, the main prize - two Atari 600XL computers a week, one for each group - will be presented to the school of the winner's choice. In addition, 10 copies of *The Times Atlas of World History*, five in each age group, will be awarded each week to individual entrants, including the overall winners of the school computers.

The competition is simple to enter. Cut out the entry form today and every Tuesday for the duration of the competition and collect each week the entry tokens from the back page of *The Times* (you will find it at the foot of The Times Information Service) on the five following publi-

cation days - Wednesday, Thursday, Friday, Saturday and Monday - and stick them on the form. Those who entered last week should be sure that entries are posted to arrive by first post Friday.

Today and in every week of the competition there will be five questions on computers to answer with a different theme each week. These will not require a certain amount of research. All the answers are to be found in works of reference readily available to young people. There is a tie-breaking question to answer which will test the ingenuity and imagination of contestants and enable the panel of judges to decide the winners. Every week there is a new contest so missing one week will not spoil your chances.

Fifth competition prize winners

A computer each for Sophie and Andrew

A 14-year-old girl and a boy aged 15 are the winners of The Times Classroom Computer fifth competition.

They are Sophie Bidwell of St Margaret's School, Bushey, Watford Herts pictured right, and Andrew Skipjack of Hayesbrook Secondary School, Tonbridge, Kent.

The winning decision was made by a tie-break question. The answers were (1) A; (2) B; (3) A; (4) C; (5) A.

The winners will both receive an Atari 600XL computer for their schools, as well as a personal gift of *The Times Atlas of World History*.



Sophie Bidwell (14) is finding the start of her computer studies course rather hard going, because, she says, maths is not her strongest subject. This does not deter her from using her brother's Spectrum when she is away from school.

Although she uses it only for games at present, she hopes to start a little simple programming soon. She is a member of the school tennis team and also enjoys backgammon and swimming. Sophie is a boarder at an

all-girls school, where the computer room is equipped with two RML 380Z machines and four ZX81s. The computer studies teacher, Mrs Sylvia Pearson, is delighted at the prospect of having an additional micro, and hopes it will enable more pupils to join in activities of the computer club.

Andrew Skipjack (15) is taking an O level computer studies course at school and uses a Dragon 32 machine at home. He plays the inevitable

games, but is now writing his own in BASIC. Apart from computing, his interests are photography and astronomy.

Hayesbrook school, which last year gained ten Grade 1 passes in O level computer studies, teaches the subject from third year upwards, using RML 380Z.

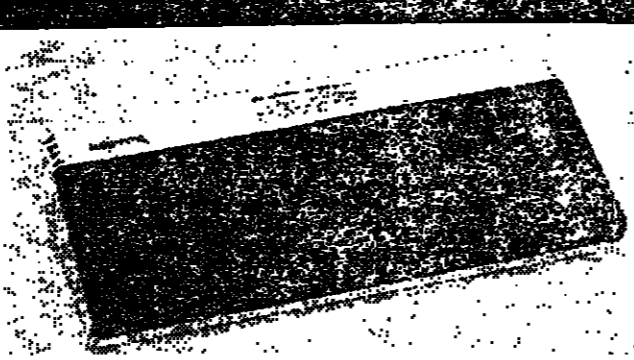
The school is evolving a policy of developing the use of computers in a variety of other subjects, and is successfully using them for assisting pupils in the remedial department.

COMPETITION No 8 Programming

Study the 5 questions below carefully and select your answer from the choices given. In each case write *only* the appropriate code letter into the answer box. Remember to complete the tie-breaker and all other parts of this entry form in accordance with the rules - and to attach 5 entry symbols.

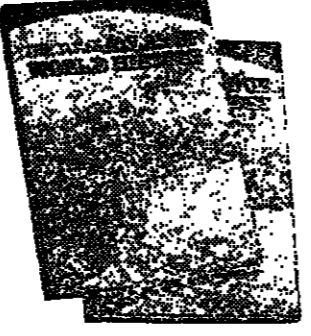
Closing date for entries - 1st post Friday, November 11

- 1 Microprocessors are programmed in:
 - A Machine code
 - B Assembly language
 - C High level language
- 2 It is slower to run a program written in:
 - A Machine code
 - B Assembly language
 - C High level language
- 3 The most commonly used high level language is:
 - A FORTRAN
 - B BASIC
 - C COMAL
- 4 Mnemonics are:
 - A Bright garden flowers
 - B A form of marine animal
 - C Instructions in convenient, abbreviated form
- 5 DOS stands for:
 - A Disc operating system
 - B Dave's original system
 - C Direct output simulator



The Prizes

- The ATARI 600XL computer has a 16k RAM memory, expandable to 64k with a memory module, 24k ROM and software compatibility with other ATARI home computers.
- The Times Atlas of the World History has 360 pages containing 600 new maps and 300,000 words of narrative presenting history in the context of the places where it happened.



Judging

1. The prizes will be divided and awarded equally between the two age groups - up to 15 years and 15-18 years as at date of entry.
2. Those entries with all factual questions answered correctly will be judged first. The entry which in the opinion of the judges gives the most apt and imaginative answer to the tie-breaker question will win a Computer for the School or College nominated, and a personal prize of an Atlas.
3. Other entries with all-correct answers and judged to have submitted the next 8 best answers to the tie-breaker will win a personal prize of an Atlas.
4. Those entries with less than all-correct answers will be judged in order in the event that not enough all-correct entries qualify.
5. If identical entries are judged to have won, the entrants may be asked to submit to a further similar competition.

Rules

1. All entries must be made via the official entry form as printed in The Times. No photocopies will be accepted. Several entries from the same school may be posted together.
2. Each individual entry must be accompanied by the required number of computer symbols as printed in The Times relevant to that week's competition.
3. All entries must be made clearly in ink. Incomplete, illegible, spilt or late entries will be rejected as will those without a nomination.
4. You must be under 19 years of age and be a full-time student of the school or college nominated at the time of entry.
5. Names of all winners will be published in The Times not later than 2 weeks after closing date. All entries become the sole property and copyright of The Times. Prizes will be despatched to the School address.
6. No individual may win more than once in any one weekly competition.
7. Proof of posting is not acceptable as proof of entry.
8. The decision of the panel of Judges appointed by the Editor is final on all matters connected with the competition. No correspondence at any stage of the competition will be entered into.
9. Employees and their families of Times Newspapers Ltd, its associated companies or anyone connected with the operation of this competition are not eligible.
10. All entrants will be deemed to have agreed to abide by the rules of which all instructions form part.

Tie-breaker

Give some novel reasons, in less than 20 words, why programs that write programs (program generators) should be used in schools.

FULL NAME.....AGE.....y.....m

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SCHOOL/COLLEGE ADDRESS.....

SCHOOL TELEPHONE.....

HOME TELEPHONE.....

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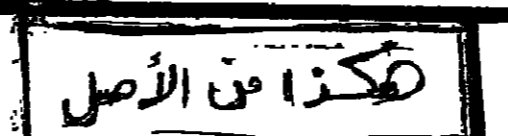
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TEL.....



Comdex struggle to link exporters to the buyers Battle of the 'marriage' brokers

THE WEEK

Maggie McLening

Quality and not quantity was the watchword on enquiries at this year's Comdex/Europe '83 exhibition, the second to be held in Amsterdam for Independent Sales Organisations.

Last year's event was deemed a washout by many of the disappointed exhibitors, who waited in vain for European retailers, distributors and export managers to turn up in force, and the situation had not noticeably improved.

Finding suitable retail outlets in foreign countries is one of the main stumbling blocks for both hardware and software companies anxious to export their products. An international trade show such as Comdex is one of the few "marriage bureaux" open to them; the only problem arising in persuading the right visitors to attend.

Despite a successful advertising campaign, Comdex/Europe '83 attracted only fractionally more people than last year, with attendance estimated at around

3,000 by the end of the second day.

There appeared to be a consensus of opinion among the 220 exhibitors, particularly those with unhappy memories of last year, to maintain a presence at minimal cost. This resulted in some makeshift-like stands and in software companies such as Peachtree spreading their products across several other exhibitors' pitches. Nevertheless, there were some interesting new products and companies at the show.

One of the chief attractions was Hewlett Packard's answer to the IBM Personal Computer, the HP 150, internally code-named "Magic". The HP 150 has a unique touch sensitive screen-based on a grid of light emitting diodes, which provides Comdex visitors with such novelties as teaching

a tab label on the screen to make the HP personal card file program show a particular card.

Two other machines on public display for the first time at Comdex were CASIO's FP-200 portable, with liquid crystal display and built-in CETL spreadsheet application software, and ICL's new version of the PERQ scientific workstation.

The upgraded PERQ has a larger internal memory of 2 megabytes, with the option of 35 megabyte hard discs instead of the previous 24 megabyte version, and has acquired a more distinctive streamlined shape. ICL is currently looking for dealers for the machine, intending to build up a 30-strong network in Holland, and managed to sell two of the new PERQs on the first day.

One of the few companies to

have a large stand at the show, ICL had had "very good experiences and signed up interesting new contacts" at last year's Comdex, according to Mr H. A. Van Der Veg of ICL's European division.

This year he considered to be even better, claiming that ICL's first colour video system (as yet unofficially launched in the UK) was attracting considerable attention. The colour video terminal is due to become a standard product, costing about £1,200.

Personal and small business computer manufacturers were out in force, including a contingent from the growing number of IBM-compatible suppliers. Corona Data Systems, which recently launched its portable and desk-top Corona PCs in the UK through distributor Midletron, gave the



Kees Boer... answering.

machines their first European airing, and Bytec Gullstream made a flurry of announcements about the 16-bit Hyperion portable.

The chief of these was a 14 per cent price cut due to full production coming on stream and the bundling of relational database system Aladin, bringing the price of the Hyperion down to £2,599 including the software. Comdex also marked the entry of Bytec Gullstream into Europe as a single entity, after a takeover earlier this year.

Another recently-formed British company launching in Europe is Trifid Software, an offshoot of American Can UK. Trifid Software is one of the few companies to specialise in applications based on the PICK operating system, which is steadily gaining in popularity.

"Initially we intend to concentrate on financial, distribution and manufacturing software," said managing director Rennie Akins. "The vast majority of manufacturing systems on the market don't work,

but we use the Trifid MCS+ package ourselves, having developed it over six years, so we guarantee that it works."

Manufacturing software is an expanding area, predicted to grow by about 30% a year, and Trifid is looking for distributors in several European countries. As a start, it has sold a £60,000 system to a multi-national organisation based in Holland, which intends to expand use of the package to two other countries.

Despite the strong current taking UK and US products into Europe, there is a small movement the other way. Perhaps one of the most successful Dutch companies in the UK so far, Holland Automation, announced the introduction of hot-line telephone support for end-users of its HAI software packages.

Another Dutch company anxious to crack the UK market is DMS Automation in Utrecht, which offers a mixture of application and system software, including an advanced voice response system called Boektel.

Boektel was developed by DMS's sister company Comsys in conjunction with Central Boekhuis, and acts as an answering service for a computer holding a stock control system. A customer dials into the computer and questions or orders are answered by a human voice.

"No-one else in Holland has anything like this, although it has been installed in the UK as a car parts ordering system," claimed Kees Boer, head of Systems Development Division at DMS Automation.

Medium-rare on the printout

COMPUTER BRIEFING

A chain of restaurants in which the waiters, cooks and cashiers all communicate over a computer network is being set up by Joshua Tetley & Son, the Leeds brewers.

Following experience with a prototype in Leeds, Tetleys have adopted the Planime Fiananco computerized system, which is now also operating in Sheffield, Derby and Nottingham.

The waiter or waitress keys in a customer's order on a Remanco terminal in the restaurant, and the information is transmitted to a printer in the kitchen. When the order is ready, the kitchen signals back to the restaurant, and at the end of the meal the terminal produces an itemised bill.

Further systems have been ordered by Tetleys for restaurants in Manchester and Birmingham, and plans are well advanced to extend the computerized restaurants to other developments.

A computer in an airship sounds like an anachronism, but Ferranti is to supply a computer-controlled display system for Airship Industries' third Skyship 500.

It will be used for aerial advertising in the USA by the Golden Nugget hotel and casino group, and a desktop computer in the Skyship's cabin will control the two huge displays which will be mounted on each side of the airship. These will be made up of over 100,000 light-emitting diodes (LEDs), and the computer will allow the operators to choose simple animated graphics or rows of letters, both in colour.

A comprehensive CP/M software directory, listing over 2,000 applications packages, will be available from mid-November. Although it is the third year for the directory, it is the first time it has been distributed in Europe, where, for £15, it will be sold from Digital Research distributors.

Yet another technology based factory is to be set up in the Irish

Republic. American memory storage producer System Industries is establishing an IR£3 million subsidiary near Dublin airport to manufacture disc and tape controllers.

It hopes to employ about one hundred staff within two years of start-up, and will join the existing 250 plants involved in electronics manufacturing that are already operating in Eire.

UK events

Computertown UK, Naissea Library, Avon, until November 18
Software Expo, Wembley Conference Centre, London, November 8-10

Home Computer Exhibition, Dublin, November 9-13
Personal Computer & Leisure Technology Exhibition, Homestead, Bristol Exhibition Centre, November 11-13

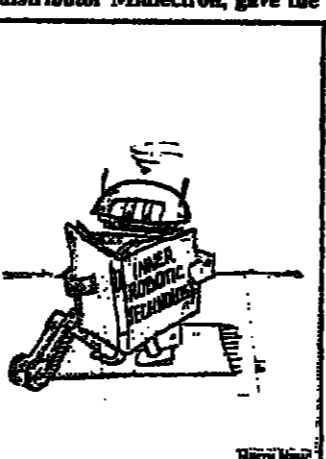
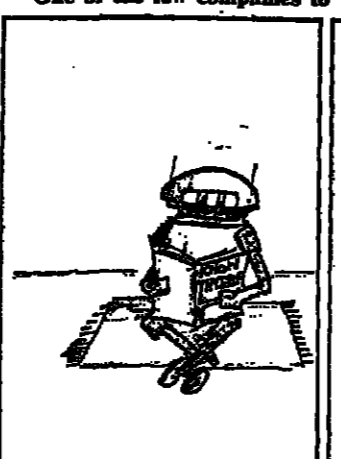
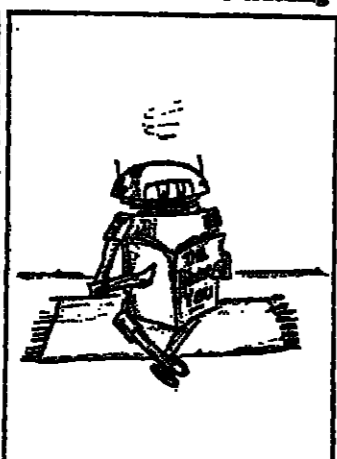
Malvern Micro Fair, Malvern Winter Gardens, Worcs, November 12
Manchester Apple Village, Belle Vue, Manchester, November 13-18

COMPEC, London, Olympia, November 15-18
Computer Aided Design for the Building Professional, RIBA, 65 Portland Place, London W1, November 18

Humberdale Computer Fair, Winter Gardens, Cleethorpes, November 20
Northern Computer Fair, Belle Vue, Manchester, November 24-26

Overseas events
Gulf Computer Exhibition, Dubai, November 21-24
Computer Indonesia, Jakarta, November 22-25
Computer Dealers Exhibition, Las Vegas, USA, November 28-December 2
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ASOB



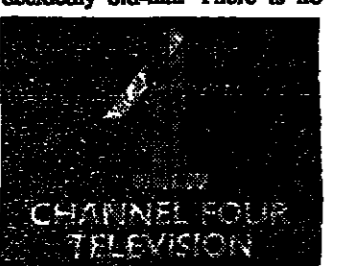
Fun in graphics at £2,000 a second

By Keith Mason

Walt Disney, a man who had such an imaginative genius for animation is, by now, likely to be rotting in his grave at the thought of a possible computer takeover of the art form which he helped to make so popular.

Although computer graphics in the form of computer-aided design systems have been around for a decade or more, it is only in the past couple of years that people have realised the enormous potential computers have in aiding designers with life-like graphics and animation.

Computer-generated wire-frame drawings for engineers, for instance, although they have a certain aesthetic appeal, are decidedly old-hat. There is no



reason why they should not have flesh on the bones as well.

John Vince of Middlesex Polytechnic, who has been plugging away since the late 1960s developing a suite of software programs called Picasso designed to take the drudgery out of graphic design and animation on computers, confirmed that in the last couple of years, development of computer graphics has been particularly rapid reaching a point of sophistication which has finally made the outside world sit up and take notice.

Perhaps not surprisingly television companies were among the first to jump on the bandwagon. Hardly a TV programme goes by these days without some form of computer

graphics or animation in the title sequence - Angels, The Money Programme, Newsnight and Bergerac among them.

The Channel 4 logo owes its existence to a computer and is a monument to the current state of the art. When the thing rotates, apparently all the shadows and reflections are where they would naturally be - so watch closely next time.

Not everything is perfect from the beginning. Initial tests on the Channel 4 logo disintegration sequence saw one missing piece mysteriously trying to join the logo while the rest broke up. A further graphic commissioned for a darts programme on TV was intended to demonstrate a maximum 180 but initially showed that the third dart had missed when viewed from behind. Still, it just proves you can't win them all first time round.

Advertising agencies, too, have been keen to cash in on the special effects that can be achieved with computer graphics and animation and judging by the stunning achievements it would seem that dear old Walt's domain will not be able to hold out much longer. Already it is rumoured that the Americans are working on computer-generated 3D cartoons which will be on television in a few years.

There are, however, drawbacks associated with the possible future development of computer animation, the most important being the cost. Computer graphics are hideously expensive to produce, with anything commercially decent costing in the region of £2,000 per second which consists of 24 35mm slides. So, at the moment, only those with extremely deep pockets and relatively high advertising or research budgets can afford to experiment.

Time for new thinking at the bureaux

Computer bureaux, whose death has been prematurely announced for the last two years, will have to retrain and recruit a wide variety of new staff in order to avoid a slow death in the market.

The rationale behind the success of bureaux has long passed for all but the specialist. They were founded on the principle that computer time and storage was expensive while there were more users than time available.

The bureaux therefore bought a big expensive machine and split its use between a host of customers. At first the customers had to send their data to

existence will now claim that it is a computer service company, offering a range of services from the traditional time on a big machine, through applications development to complete systems implementation.

All these new aspects of the job mean new skills. Software development will have to be grafted on to the software support function if specialised users are to be enticed and kept in the fold.

Technological evaluation will have to be done by someone within the company if the bureau is to branch out and offer its own special software running on someone else's hardware.

The marketing operating will have to be strengthened to include technicians who can talk to the customer in their own language so that the specialist market niche can be addressed in its own terms.

Bureaux are going to find it difficult to find these new talents. They will have to fight among themselves for the best talent and also do battle with every other computer services company, none of which will lie down and let the reformed bureaux walk away with either its talent or its market.

Clearly not all of the bureaux can make the transition. Those that do not have plans to shift their position will die sooner rather than later, given the speed with which the personal computer market is eating away at the installed base of terminals sitting on executives' desks.

Many of them need not die, however, given the talent of their employees and the potential in the computer services market.

JOB SCENE

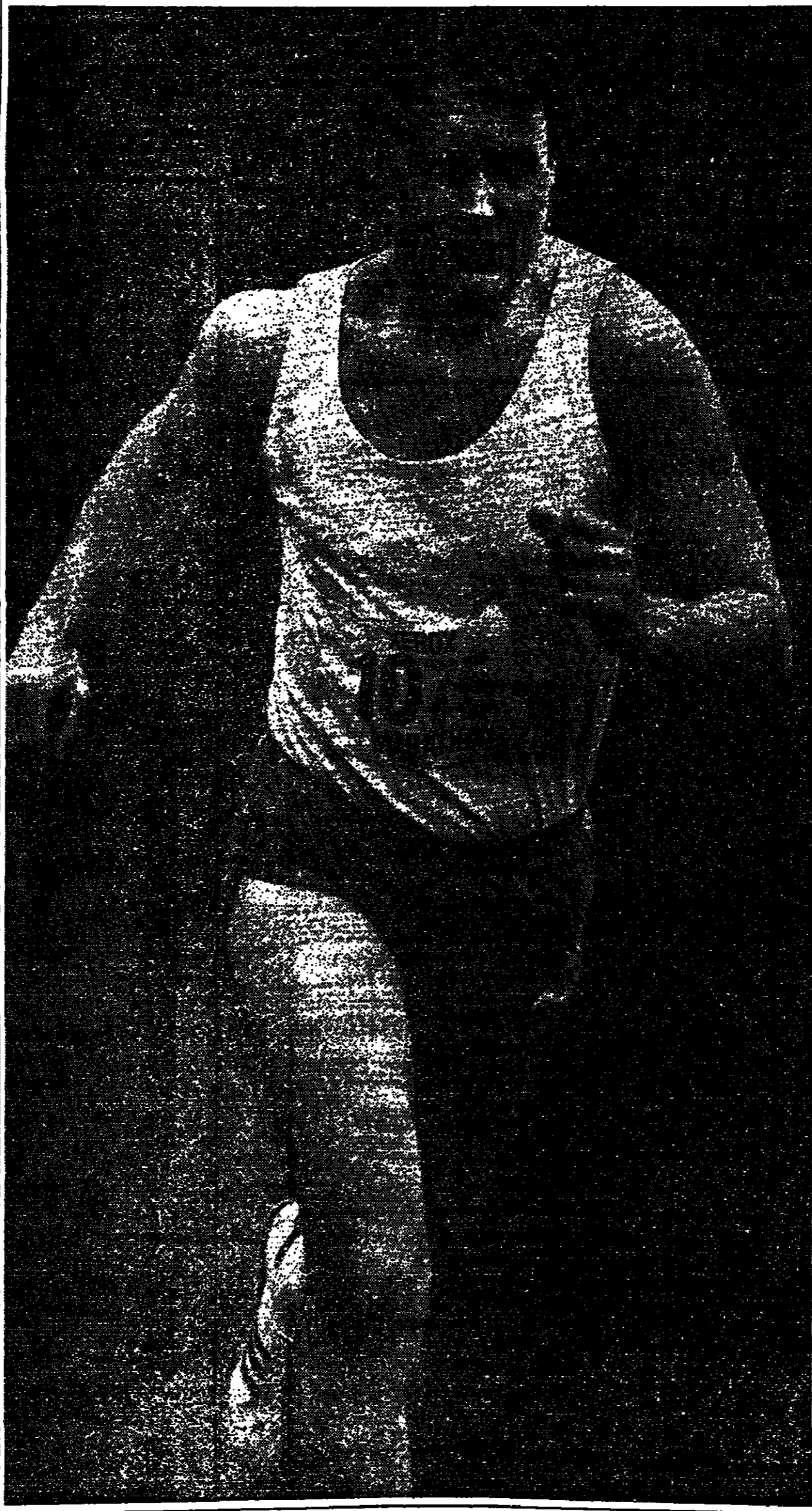
Richard Sharpe

the bureaux for processing but lately the customer could simply dial from a supplied terminal and activate the programme or log on for a session.

The falling cost of computer power and the advent of the microcomputer are now killing that simple business. Bureaux which have not developed a specialised niche are dying faster than those that have because there is still a demand for extraordinary power and services for financial applications and engineering users.

The old-style bureaux need salesmen to sell them computer time, a handful of operations staff to keep the whole thing running, and a few software support staff to supervise the development of the operating system and customers' software. Virtually every bureau still in

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Flying the flag for British knowledge

It was the seventh floor, and the builders were in. Nigel Vince, manager of ICL's Knowledge Engineering Group, apologized for the untidiness, but his heart was not in it. He knew that, almost without exception workers in the field seem to spend their days in a litter of paper, books, journals, and electronics - and that this is role-playing.

It is, it must be said, no more obsessive than the usual senior management passion for hierarchy, order, and tidiness - and there is plenty of that too in ICL. The really knowledgeable, and sensible, senior executive understands full well that for many of those in the AI community, the disapproved-of behaviour is a badge of office, and he quietly shuts the door and lets them get on with it, monitoring performance according to whatever criteria have been established and agreed.

For it is, I suspect, unlikely that the seventh floor will be much different when the builders are out. Knowledgeable highly skilled people can dictate their own working environment.

That is not all they can dictate. I was watching one demonstration while in the background I could hear Nigel Vince discussing a long meeting he had had with Personnel, where he had told them that for some staff he was willing to pay up to twice his own salary, and how it almost seemed to have offended some people's notions of a sense of hierarchy.

The group employs about 25, but can also call on as many more professionals in other parts of the company, particularly in those software parts concerned with decision support. It has a wide mix of skills, including a couple of cognitive psychologists, and the types of people he is looking for are to be found among those who have built simulators and models, people who have expertise in extracting knowledge from a situation, who can then be

complex database systems to which have been added intelligent searching, analysis and correlation software tools, through to systems in the full AI professional expert systems tradition, indeed extending it. It may seem surprising after all the publicity, but most of the expert systems so far built have been really simple systems. The best expert systems contain knowledge about knowledge, and there are hardly any of those which go to any level of complexity.

All this can lead into very deep territory. For instance, the consideration of a field of expertise can involve a study of the quality of the knowledge within it, as well as the validity of the tools for measuring it. This is particularly true in areas where the parties considering a body of "knowledge" may have, quite validly as they see it, different perspectives on it.

The group has built a number of "demonstrators" and the first products are internal; they have sought to add to their own tools (the route that is also being followed by the Japanese) and to the tools that ICL can wield.

This is, of course, a good route, for it does mean that the expertise one seeks to replicate or improve is already in house. So they have built DRAGON, 700 rules in 6000 lines of code which took six major rewrites and is now under pilot trials; a system to enable ICL to size customers' mainframe requirements. They are also developing a design rule system for PC board layout, which will bring component positioning, which can sometimes be of quite fearsome complexity, subject to rule, particularly to avoid cross component electrical and other interference.

"We won't," says Vince "be producing a general product for the external market for about a year." The indications are that one can pick up signs of knowing what it will be.

But the group is really an R & D group, and is involved naturally enough in such areas as Dandelion machine and PROLOG language research. Which takes them further and further back into, and linking with, academic research.

The problem that faces ICL as it faces all other large computer manufacturers is that the technology time window gets shorter all the time.

All the time, the stakes are being raised, so a company has to become collectively cleverer and cleverer. After all the Japanese are doing it.

And in case you are not clever enough? Out of the window of that same seventh floor can be seen the small building of Fujitsu's VLSI business office, down in ICL's grounds. Outside are three flags, flying the British, Japanese and Fujitsu flags.

It could be that if they do not all get it right, those flags might eventually fly over the main buildings.

trained in AI tools. Many of them will almost certainly have some background in software.

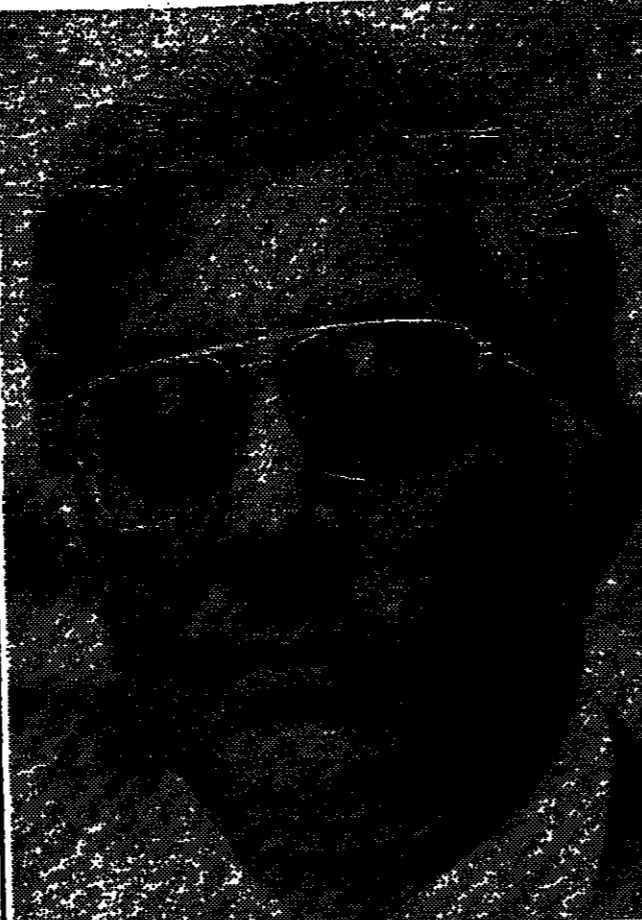
But what is knowledge engineering? It is primarily that part of AI concerned with expert systems, but to get a real understanding, you first of all have to ask yourself "what is an expert?" Expert systems are normally intellectually sold on the basis that they aid, if not replace, professionally qualified specialists: doctors of various types and oil industry or mining industry engineers are often advanced examples of people with skills subject to aid and succour by expert systems.

What is usually missed is that most of human possibly machine reproducible expertise is not like that at all. Expertise qualifies the expert, not paper qualifications, and a salesman or screwdriver welder without even a couple of CSIs may be as highly skilled within his domain as the most highly qualified professional is in his.

Expert systems that have been created in the past ten years or so with their professional emphasis do not of themselves define expert systems. The field proper is really almost everywhere now being referred to as knowledge engineering.

It stretches from - at one end - extensions of existing programming to which have been added quite specific and narrow bits of expertise, through quite

People/Joseph Mathias of Sperry



Keeping an eye on the cracks

By Roger Woolough

The world of Dr Joseph Mathias is one of picoseconds and gigabytes. He heads the research activities of Sperry Corporation's Computer Systems Division in Blue Bell, Pennsylvania, and it is the future of computing which absorbs his time.

With a distinguished research career behind him, he modestly describes his present activities as coordination. "I see that things are not falling through the cracks," he says.

Mathias was born in India and graduated from the University of Bombay. He went to the States in 1947 with no intention of staying, but has been there ever since.

"The idea was to get a degree on the West Coast and a degree on the East Coast, and then go home," he recalls. The degrees were acquired, but he then met a fellow Indian who persuaded him there was no point in going back to India. "You are not going to use anything you have learned," he was told.

Mathias has been with Sperry for 24 years, always on the research side. He believes it is not very difficult to know the basis of computer systems five years from now, but attaining the goals is increasingly difficult and expensive.

The Computer Systems Group at Sperry has an R & D budget of \$475 million, and spends some of it on joint research efforts, which Mathias helps to oversee.

One of these is the Microelec-

tronics & Computer Technology Company (MCC), a consortium which includes all the major computer companies in the United States except IBM. Although no firm programme has yet been agreed, it is expected to study artificial intelligence, pattern recognition, and parallel processing.

Mathias is also involved with Sperry's joint efforts with Magnetic Peripherals Inc on mass storage devices, with Mitsubishi of Japan, and with Gene Amdahl's company Trilogy, which plans to pack computer circuits far more densely using wafer-scale integration ("we will find out pretty soon how well it works").

What does Joe Mathias see as the next steps in computing? "Future systems will be smaller, faster and cheaper, more reliable easier to use," he sums up. "Artificial intelligence and knowledge-based systems will begin to gain a foothold in the next decade."

This does not mean a total upheaval in computer technology. He believes that present-day system architectures - the sequential Von Neumann model used by all general-purpose computers so far - will not be replaced in the near future. But for the end-user, changes will be dramatic enough.

"In the next 10 years," Mathias predicts, "it will become possible to ask the computer an intelligent question in a normal speech process, and have a response, either by voice or by a picture."

Oh! How slow this loading can be...



Great Home Computer Myths of Our Time Part One: "Computers Do Things Quickly." In fact, this isn't really a myth, more of a misconception of how things work. Computers do work quickly in most circumstances; it's just that it can take a devil of a time getting them into the state where they can perform your particular computation.

All of those marvellous home programmes advertised in the computer press may appear to have wonderful applications, but what the slick promotional prose fails to point out to the computer illiterate is that, since they are on cassette tape, the majority will take up to five minutes to load into your computer. And that's if you are lucky.

Tape is not just notoriously slow but also notoriously unreliable. You may find that several attempts are needed to coax the programme into your machine. I can testify from personal experience that one hour of returning the same tape without success does not make one feel like an advance guard of the new electronic generation, particularly if the programme concerned is Motorway Mania and an impatient child is tapping her foot by your seat anxious to burn up a few video miles.

A serious home application will turn to the floppy disk as both a means of information storage and a way of loading software into the machine. This system is much faster and infinitely more accurate, though, since it is used by fewer people, the range of software available is not, at the moment, quite so wide. Storage and retrieval on disk is only a matter of seconds, but loading complicated software, such as business programmes, can take longer.

In my case, the word processing program takes around a minute to load. That may not seem long to anyone without a computer. For those of us drumming our fingers on a mute keyboard, fired by the impatience which is an integral part of being a home computer owner, it seems an eternity.

The solution, and it is one which is becoming available for more software programs each week, is the cartridge. This is a plastic box which plugs in the back of the machine and inserts precisely the same program which you might find on tape or disk the instant you switch on.

Sheer bliss in principle, yes. Cartridges are a little more expensive than their rival media, since they cost more to manufacture, but that is a price which most people are willing

to pay for the saving in loading time.

The chief difficulty with home computers usually possesses only one cartridge slot. So each time you wish to change an application you have to yank one cartridge out of the back of the machine and bang in another.

This is a shockingly physical process, and I, for one, remain unconvinced that most computers are built to take much in the way of manual wear and tear. Tales of broken cartridge connections abound.

Even if nothing snaps off the wear and tear on the junctions

HOME USER

David Hewson

On the other hand, there seems to be a plethora of ingenious amateurs around who are capable of turning their minds to the same sort of problems and, on occasion, coming up with interesting answers at more realistic prices.

Two fine examples of the lunatic pricing now prevalent came across my desk recently. Simon's Basic is a very handy cartridge written for Commodore which turns your 64 machine into something which, with a little work, the average home user can begin to understand.

All of which would be fine were it not for the fact that the 64 is so gnomic in its habits to begin with because Commodore chose to make it so, largely through its complex version of standard Basic and a fimsy manual which would scarcely do justice to a Sony Walkman.

The price for turning one's machine into the kind of thing it should have been when one first bought it is £50. Is there any wonder Commodore, like so many manufacturers, have now made a policy decision that their future profits are likely to come from software sales?

Around the same time, I received a demo disk from one small independent house, Dialog Software (19 Shorts Gardens, London WC2H 9AT) which demonstrated that one does not need to pay the earth for rudimentary software. Dialog's instruction leaflets are woefully inadequate and would probably deter the most amateur user.

After much persistence, however, I discovered that a couple of programs represented real value for money once mastered.

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A new wind of change blowing from Belgium

If not the force that launched a thousand chips, Vector International can at least claim to have projected some of the most significant software names into Europe, writes Maggie McLain.

Although most people in the micro-world have heard of Digital Research, Microsoft and Micro Focus, the Belgian company behind their European success has remained something of an unknown quantity, a situation likely to change in the near future.

Vector International is one of a new breed of companies whose services will be increasingly in demand as the software market expands worldwide. There is a growing realisation among software houses of the need for translation services, not only to provide manuals and other documentation in foreign languages, but also to adapt programs to fit the conventions of different countries and to supply them, in disk format, to suit a range of alternative computers.

Vector, originally set up in 1977 as a systems house, specialises in all of these areas, offering translation to fit almost any required format, building its own hardware to achieve this.

Just over a year ago, however, Vector faced the worst crisis in its short history: the loss of Digital Research as a client, when DRI produced almost 50% of Vector's business. Until then, coupled with a knack for talent-spotting, appeared to have set Vector on a sure-fire path to success.

In 1979 one of the company's founders, Jim Porak, was killed; time in Albuquerque, before his wedding in the afternoon, when he wandered into the offices of a small software outfit called Microsoft. Six months later, he persuaded Microsoft to sign away exclusive European distribution rights to Vector, and Microsoft's products became the top-selling programming languages for microcomputers in the UK.

Shortly afterwards, Microsoft introduced Digital Research (then a friend) to Vector asking whether Vector would be interested in distributing a little-known operating system for 8-bit micros, (which shortly became the world-standard) called CP/M.

"I wish the situation had stayed the way it was, the subsequent emergence of Microsoft as an operating system company and Digital Research

as a language company was detrimental to the micro-computer industry," said Gabor Weiner, managing director of Vector International NV. "Some might say it was unhealthy but nevertheless it now means that we have incompatible equipment in the market."

After an uncomfortable six months of working for both companies Vector was forced to choose between them and bade farewell to Microsoft, because DRI appeared to offer the better long-term prospect.

It was therefore a bitter blow when DRI announced in mid-1982 that it intended to go direct to the European market, and would withdraw distribution rights to all of its products by the end of this year.

Ironically, this move, which was to destroy half of Vector's business was made because Vector had trebled the targets set by DRI for European sales, according to Weiner.

Capitalising on the contacts made through handling distribution for Digital Research Vector concentrated on Building up a comprehensive range of software packages for supplying to OEMs. Micro Focus is still a client, and Vector added business productivity packages from Chang Laboratories in the US and Hands-On training courses from Windsor-based Micro Cal.

Yet another chance meeting, however, led to the addition of a database.

While negotiating a deal for Chang Laboratories, Mr Weiner heard about an information handling system called Everyman, developed by a British company called Smallway. The result was a worldwide launch for on-line database Everyman, which has the unusual feature of building applications from graphics rather than with a language, and a joint expansion programme for Vector and Smallway, starting with the setting up of a UK office in Kingston-upon-Thames, Surrey.

Vector also intends to establish a US operation by the end of this year, and offices in France and Germany in early 1984.

Surprisingly, despite the loss of Microsoft's business and partial withdrawal by Digital Research, Vector has managed to maintain a turnover in excess of £2.5 million, with profits of £30,000.

This has largely been achieved by the hardware interests of the company.



Gabor Weiner... "I wish the situation had stayed the way it was... now we have incompatible equipment on the market."

Clive Cookson looks at the exploding computer publishing scene

Fall in for the Fifth Generation

Books about computers, and particularly about micros, are the fastest growing field of publishing. The output far exceeds our ability to provide even a limited reviewing service.

This article is intended to provide no more than a brief sketch of some of the publications that have been sent to us recently, as a somewhat arbitrary sample of this year's crop.

The computer book of 1983, in terms of public attention, is certain to be *The Fifth Generation* by Edward Feigenbaum and Pamela McCorduck, which Michael Joseph publishes in Britain next week at £9.95. This passionate appeal for America to mobilise its resources in competition with Japan's Fifth Generation Computer project has already achieved immense publicity in the United States since its publication there five months ago.

The UK edition of *The Fifth Generation* is identical to the US original. The only addition is a rave by Clive Sinclair on the dust-jacket. "... Essential reading for anyone concerned with computers in Britain. Personally I was inspired by it to try to stimulate all I could in this country to prove the authors' pessimism unfounded". Nothing has been done to update the book or moderate its rather offensive American-chauvinist tone.

Some of the lines in *The Fifth Generation*, like "We need some new American heroes" sound absurd if you substitute the word "British" for "American" and imagine the book written by UK authors.

Feigenbaum (Professor of Computer Science at Stanford University and a founding father of artificial intelligence) and McCorduck (a science writer) are disturbingly willing to enlist the cause of "national defense" in their crusade for an American Fifth Generation programme.

Part of the reason why *The Fifth Generation* already seems out of date is the impact it has in the United States. Since the book's publication there, the American computer industry's support for the Microelectronics Computer and Technology Corporation (MCC), a new cooperative research centre in Texas involving 13 manufacturers, has grown hearteningly.

The Pentagon has asked Congress for \$1 billion so that its Defense Advanced Research Projects Agency can sponsor the development of supercomputers and artificial intelligence on a lavish scale.



not grossly unfair, their grasp of facts sometimes slips, like their style.

For example, they point to the decline in research funded by British industry between 1967 and 1975 and say that no one expects any change in the trend. But in fact it is already known that industrial research revived significantly during the late 70s and early 80s, despite the economic depression.

Anyone who wants a more dispassionate introduction to the subject before tackling Feigenbaum and McCorduck's

political tract should read *Towards Fifth-Generation Computers* by Geoff Simons (NCC Publications, £10.50).

Simons is Chief Editor for the National Computing Centre and a prolific author of clear, non-technical books about computers. His latest work is the philosophical (but not sensational) *Are Computers Alive?* (Harvester Press, £9.95). Books either written or edited by Simons can generally be bought with confidence. For example, *Introducing Computers* by Malcolm Peltu (NCC Publications, £5.50) is the best general introduction to computing I have seen this year.

Peltu, who is one of the industry's most respected freelance journalists, packs a remarkably comprehensive account of computers into this 326 page paperback.

Bookshops are full of short, snappy introductions to home computers. A good example of this genre, which is on the whole superficial and sloppy, is *First Byte* by Mike Scott Kohan (EP Publications, £3.95).

Rohan - a science fiction writer best known for the novel *'Run to the Stars'* - has produced 94 highly readable and well illustrated pages that should be genuinely useful for the absolute beginner choosing a home micro.

However, because the industry is changing so fast, some of the details in the section reviewing specific models are already out of date.

Bewildered parents choosing a micro for the children are a particularly important category of home computer buyer. *Computers and Your Child* by Ray Hammond (Century, £5.95 paperback, £9.95 hardback) will suit them.

It is not only a good guide to the hardware and software but also an intelligent critique of educational computing.

Hammond argues that many schools are misusing computers and that ignorance and confusion are making "code junkies" out of some teenage programmers whilst withholding vital computer assistance from others.

Although Hammond rightly expresses concern that home computing is 90 per cent a male activity, he spots the effect by starting his book "Dad... can we have a computer? If you hesitate over the answer to this question, you belong to the majority of adults."

John Maddison, the veteran communications writer and educator, takes a very wide look at the impact of new technology in Education in the *Microelectronics Era* (Open University Press, £4.95). He manages to cover a lot of ground without being vague or general.

Another huge category of computer books gives advice to businessmen and managers. A good starting point is *Make a Success of Microcomputing in Your Business* by Pannell, Jackson and Lucas (Enterprise Books, £4.95). Readers may remember that this clearly written paperback was recently the subject of a special offer in *Computer Horizons*.

Understanding Computer Contracts by Martin Edwards (Waterlow, £6.50) sounds much more specialised. But Edwards, a Liverpool solicitor, argues convincingly that businesses should understand the legal implications of buying a computer as thoroughly as the technical specifications and the costs. If the system breaks down, the company too often finds that its legal protection is limited or non-existent.

Publishers are responding to the fact that computer failure and fraud are topical subjects. *Computer Security*, a management handbook by Leonard Fine (William Heinemann, £7.50), is a concise survey of the field by an unappealing prose style.

Even the cautionary tales of computer disaster which pepper the book fail to make it readable, partly because the victims remain anonymous.

In many cases anonymity is clearly essential, but I do not see why some could not have been named.

To give an extreme example: "A medium-sized corporation making extensive use of computers was put into liquidation when its computer centre was hit by an aircraft which crashed into it. The high dependence on computerized records left the organization incapable of continuing its business activities."

A much more entertaining book on the same subject is *Computer Insecurity* by Adrian Norman (Chapman and Hall, £14.95). Most of the cases in his catalogue of more than 100 crimes, errors and disasters do identify the victim. However it must be said that the majority date from the 1970s rather than the 80s.

Another pair of hands to speed the future home computer

By Alan Lewis

Have you ever marvelled at the speed of the computer you are using? If the answer is yes, then you are in for some further surprises. For new hardware is becoming available to make computers work even more quickly - sometimes 100 or 200 times faster.

The new machine is called an array processor and plugs into a computer. Array processors were invented in the late 1960s and in the early days could only be attached to the larger computers used by businesses and scientific establishments.

Now American scientists have found a way to plug them into home computers.

There are still technical problems to solve before Britain's half million home computer owners can make widespread use of array processors - and their price will be too high for most computer hobbyists for some time.

But with the pace of technological progress and the slumping cost of equipment, it cannot be long before these problems will be solved. Then the prospects for home computer users will be awesome. For fitting an array processor to a home computer would be like swapping a Tiger Moth for a Concorde.

At the moment array processors are used by organizations which need to collect and process vast amounts of information very quickly and with great accuracy.

Array processors, which are attached to a "host" computer, are used in several countries to help forecast the weather. They are also used to monitor nuclear reactors, analyse seismic waves from earthquakes, and make forecasts of inflation and unemployment using computerized economic models.

The Atomic Energy Authority's laboratories in Risley, Cheshire, have ordered an FPS-

100 attached processor from Floating Point Systems, the world's leading manufacturer of these high-speed array processors. The AEA will use the attached processor in its experimental work with ultrasonic imaging, which allows scientists to "see" into the core of a fast breeder nuclear reactor. A new technique has been developed at Risley using high frequency sound that enables images of the fuel rods to be produced even when they are under the opaque liquid sodium used in the reactor as a coolant.

As Jim McKnight, head of the project, explains: "We want to be able to run the whole job at the reactor site, but we cannot afford to carry a computer large enough round the country with us. The only way to achieve the performance of the Digital 11/60 on the 11/23 is to purchase an attached processor. With the extra processing power the FPS-100 will provide, the 11/23 will not give us the results of the 11/60, but produce them in a matter of minutes, rather than days."

British Aerospace, prime contractor for the construction of the European Space Agency's L-Sat 1 satellite, is using an attached processor from Floating Point Systems for modelling the satellite's behaviour in orbit.

L-Sat 1, which will have solar arrays spanning nearly 30 metres, is due to be launched in 1986 and will provide a variety of communications services. The Dynamics Group of British Aerospace is also responsible for the satellite, so that its antennae always point to particular areas of the Earth, and its solar panels point to the Sun.

Clearly, the satellite's control systems' performance could not be tested while it was on the ground.

The answer was to install a FPS-11/44 minicomputer from Digital Equipment and an attached processor. "What we needed," says British Aerospace's John Penagely, "was number crunching capability, which the FPS-100 could give us. Although we looked at larger computers, none could match the processing power of the attached processor."

This configuration allows the satellite designers to simulate the dynamics of the satellite in space. The FPS-100 has the capacity to perform eight million floating point calculations every second.

The Joint Speech Research Unit (JSRU), based in Cheltenham, carries out research on speech signal properties and processing for government departments and other public agencies.

Successful research like this depends on reliable and appropriate computer facilities. In particular, it requires powerful processing, good graphics and interactive terminals. Consequently the unit's researchers study not only speech signal processing but also the computer methods most suitable for supporting this work.

It was decided to augment the computer facility by an array processor and the unit selected the AP-120B from Floating Point Systems.

Before the AP-120B was installed each spectral cross-section took two seconds and a complete picture took eight minutes to form. This delay was such that use of the program was minimal.

Using the AP-120B, with its own standard routines, an enormous gain in speed was

evident, reducing the time to produce a spectral cross-section in 20 milliseconds and a complete picture to five seconds.

As experience of array processing grows, the users are finding many other applications. They have also discovered another benefit. By plugging an array processor into their computer, they can get vast increase in the power of their machine for less cost than buying a bigger computer.

Exactly how array processors could be used on a home computer stretches the imagination, but they could certainly run incredibly lifelike and realistic games. They could well bring closer the day when you can talk to your computer and have it answer back.

Although ordinary computers work incredibly fast compared with humans, they are still not

fast enough to carry out really complex tasks quickly.

When you are very busy, you may complain "I've only got one pair of hands".

In that respect, the computer, which works logically by performing one task after another, is rather similar. It only has one pair of electronic hands and can only make one computation at a time.

Effectively, an array processor gives the computer more than one pair of hands. So each of its electronic circuits can be finishing one task, while it is making progress on a second and starting a third.

Multiply that by the number of circuits in an array processor and you increase the power of the computer by a hundred or more times. The array processors made by Floating Point Systems can do up to 12 million sums every second.

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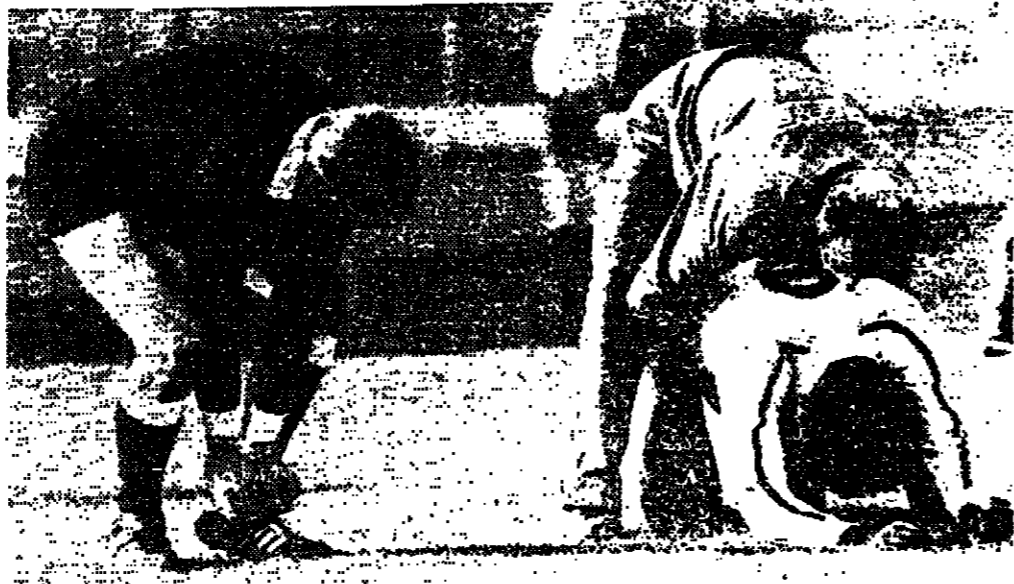
The cashless society can get out of the red at Bristol

By Paul Newman

Corinthian-Casuals, the standard-bearers of English amateur football...



The Slough crouch: and the referee gets into the act



Prize was no excuse for Dorset's day of shame

It profited not a man to sell his soul for the whole world... but for Newport? That, it transpired yesterday...

Chasing about for interviews after the game was not the cheeriest of tasks... "I would like people to remember that...

Chasing about for interviews after the game was not the cheeriest of tasks... "I would like people to remember that...

Both teams stood a match away from the first round proper, and the chance of a crack at a third or fourth Stockport County respectively...

Triumph

Poole's Ray Ames was at the centre of much of the trouble. Roger Bazeley, the Poole manager, said the Slough men were trying to provoke Ames into committing a crime worthy of a sending-off...

Wally Lewis, the captain of Queensland and Australia, and a powerfully built stand-off half, is the prime target for Leeds as they redouble their efforts to sign top players from Australia...

Three players were sent off, all from Slough, all within a blood-rushing five minutes... five minutes for which Slough should hang their heads in shame...

Norman was the first man off, for kicking, when the referee decided that drastic action might improve a nasty game. Parsons, goalkeeper and captain, ran to protest...

Leeds are having their worst season for many years, and a series of big scores against weak defences has persuaded the Headingley directors that the time has come to look outside Britain for reinforcements...

Draw for first round

Aldershot v Beakingstone or Worcester. AP Leamington v Gillingham. Berkley v Weymouth or Farnborough. Boston United v Woking. Bradford City v Wigan. Chelmsford v Eastwood or Wycombe Wanderers. Chester v Chesterfield. Corinthian-Casuals v Bristol City. Donington v Worthington of Molesey. Exeter v Maidstone of Sutton United. Fossestone or Dagenham v Brentford. Frickley v Altrincham. Gainsborough Trinity v Blackpool. Hilling v Whitley. Ipswich v Bristol Rovers. Norwich RM v Colchester of York. Hyde or Blyth Spartans v Barnley. Kettering v Swindon. Mansfield v Doncaster. Millwall v Dartford.

Pleasures

There was a pronounced whiff of trouble in the air in the first minutes of the match. Three rugged and potentially dangerous tackles were made in this period and did not earn a booking. They were all made by Poole men on Slough men.

Charms

Instead, we have a sorry tale that tells of just how nasty football can get. Football often has many charms, not least the utter seriousness with which so many, like this, it is a waste of everybody's time.

Wolves go over debts deadline

A Football League deadline for Wolverhampton Wanderers to pay debt of £50,000 passed yesterday with no sign of payment. So the threat of expulsion or suspension from the League still hangs over them because money is still owed to unsecured creditors of a previous Molitoux regime.

Price ready to make his debut in Sofia

Neil Price could make his first senior appearance for Watford in the UEFA Cup tie in Bulgaria tomorrow. Watford, held to a 1-1 draw by the Bulgarian side Spartak Sofia in the first leg, are struggling to name 11 players plus five substitutes for the return leg in the second round.

Simon Barnes

The touring party includes many New Zealand players and the big test of comparative skill and quality will be at Hull on Saturday week when the Great Britain amateur side meets the Maoris in the final game of the tour.

Livermore takes over at Swansea

Doug Livermore was appointed Swansea City's caretaker manager, a week after being told that he could become one of the first casualties of the club's financial crisis.

Tapper in form for fine Chigwell side

A number of schools have enjoyed success in the first half of term including those Essex rivals, Chigwell and Forest Chigwell. Their captain, R. C. Tapper, is a forceful player, having a strong shot with either foot.

ATHLETICS

England get lion's share of fixtures

By Pat Butcher

The British Amateur Athletics Board, the nominal federation of United Kingdom governing bodies, seem to have conceded their right to stage international fixtures to one of their constituent members, the Amateur Athletic Association.

Fixtures awarded for 1984 by the European calendar congress, which ended in Madrid on Sunday, reveal that the AAA stand to make an even bigger profit than this year, which will help them forestall moves toward unification of the various bodies.

June 16: Scottish AAA championships. Manchester, June 17: Loughborough U v Glasgow. June 18: English schools championships. June 19: English schools championships. June 20: English schools championships. June 21: English schools championships. June 22: English schools championships. June 23: English schools championships. June 24: English schools championships. June 25: English schools championships. June 26: English schools championships. June 27: English schools championships. June 28: English schools championships. June 29: English schools championships. June 30: English schools championships.

SQUASH RACKETS

Merciless Jahangir into semi-final

By Richard Katten

Jahangir Khan, sensing the growth of a slight rivalry, took it mercifully into the contest when he beat the former British champion, Phil Kenyon for the loss of only five points in the World Masters tournament, sponsored by ICI Perspex at the Spectrum Arena, Warrington, yesterday.

Kenyon, who was the only player to take a game off the tucage Pakistani in the International Squash Rackets Federation world championships in Australia last month and also gave the champion a hard run in the world open season, was this time dispatched in 42 minutes, 9-0, 9-3, 9-2.

This ruthless win completed Jahangir's qualification from the round-robin stage into the semi-final round for the loss of only 14 points in three matches against players ranked seven in the world (Kenyon), 11th (Chris Dittmar, of Australia) and 13th (All Azeez, of Sweden). Last year, Jahangir dropped only 39 points in winning the World Masters. This time he is on schedule to do so for even less.

Kenyon can comfort himself with the thought that he is a newly married man and that this year, at the age of 27, he has been playing his most cogent, controlled squash. On Sunday night he beat Aziz for the loss of only nine points. The future, if not dazzling, at least looks bright.

The Lancashireman is also the first leading player to use an oversize racket which he feels, as in tennis, gives him a bigger sweet spot. No leading player has yet tried a racket of this size, but the International Squash Rackets Federation has legislation that made them legal two months ago.

BASKETBALL

Touch of dizziness for high-riding Pirates

By Nicholas Harling

Bracknell Pirates, the first division leaders, might as well enjoy life at the top while they can. They are leading because Solent, the only unbeaten team, have played fewer games, but Bracknell duly took the chance of extending their lead at the weekend, despite finding themselves seven points behind Brighton at half-time.

Maybe the shock of finding themselves at the top of the National League, sponsored by Wiggins Homes, for the first time in their history, at first unsettled the Berkshire club in a game they were expected to win comfortably. They ultimately did so, 90-67.

Table with columns for Team, W, L, Pts, F, A. Lists various basketball teams and their records.

Table with columns for Team, W, L, Pts, F, A. Lists various basketball teams and their records.

Ominous preparation for the European champions

It was the kind of weekend that Hamburg, the European champions could manifestly have done without. Beaten 4-0 at Borussia Monchengladbach, Hamburg also had their sweeper Hieronymus sent off for a professional foul on Matthias.

Results from Europe

Table with columns for Team, Score, Goalscorers. Lists various European football matches and results.

Wolves go over debts deadline

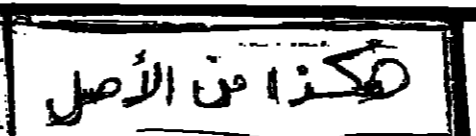
A Football League deadline for Wolverhampton Wanderers to pay debt of £50,000 passed yesterday with no sign of payment. So the threat of expulsion or suspension from the League still hangs over them because money is still owed to unsecured creditors of a previous Molitoux regime.

Price ready to make his debut in Sofia

Neil Price could make his first senior appearance for Watford in the UEFA Cup tie in Bulgaria tomorrow. Watford, held to a 1-1 draw by the Bulgarian side Spartak Sofia in the first leg, are struggling to name 11 players plus five substitutes for the return leg in the second round.

FOR THE RECORD

Table with columns for Team, W, L, Pts, F, A. Lists various sports teams and their records.



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Amoco Europe and West Africa, Inc. is responsible for co-ordinating the activities of the European and West African subsidiaries of Standard Oil Company (Indiana), one of the world's largest oil companies. A new position has been created in the Tax Department for a Solicitor specialising in U.K. tax matters.

We invite applications from Solicitors with at least three years' U.K. tax experience, which must include substantial corporation tax experience. Exposure to petroleum revenue tax and foreign corporation tax work will be added advantages. Oil industry or U.S. multinational experience are desirable but not essential. Personal qualities should include creativity and effective communication skills.

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Reporting to an Assistant Secretary, he/she will be responsible for the statutory work of all the private companies administered by the Department, some minute taking and assisting on property administration, charitable giving, banking and other administrative and legal work. A good knowledge and experience of Company Law and Secretarial practice are essential and experience in the other aspects of the job would be an advantage.

The total salary package will not be less than £12,000 but is negotiable, depending on qualifications and experience, and there are attractive fringe benefits.

Applications in writing and accompanied by a C.V. should be addressed to: Mrs D.E.J. Bowles, Recruitment Manager, Gallaher Limited, 65 Kingsway, London WC2B 6TG.



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H.W. FitzEugh, Ref: 20207/T. Male or female candidates should telephone in confidence for a Personal History Form 01-734 6852, Sutherland House, 5/6 Argyll Street, LONDON, W1E 6EZ.

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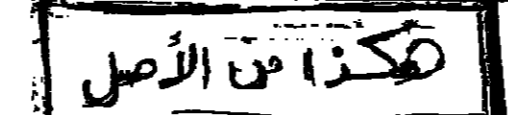
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Today's television and radio programmes

Edited by Peter Dear

BBC 1
6.00 Carol AM, News headlines, weather, traffic and sports information. Also available to viewers with television sets without the text facility.

tv-am
6.25 Good Morning Britain presented by Nick Owen and John Stapleton. Review of the morning papers at 6.25. News from Gavin Scott at 6.30, 7.00, 7.30, 8.00, 8.30 and 9.00; sport at 6.45 and 7.40; exercises at 6.45 and 8.15; John Stapleton with a topical guest in the Spotlight at 7.45; guest: Subby Keya from 7.25; Timmy Mallet's pop news at 7.45; pop video at 7.55; inside Peter Bull's house at 8.00; Gyles Brandreth's video report at 8.35; baby talk at 9.02 and news headlines at 9.25.



Andrew McCulloch (left) and David Barnes: Submariners (BBC1 9.25pm)

What makes Tom McLoughlin's play SUBMARINERS (BBC1 9.25pm) so disturbing is that the playwright himself spent 15 years in the Royal Navy so presumably the events that are portrayed in the play bear some semblance of fact. First shown at London's Royal Court Theatre in 1980 the play is a tragedy about life in a Petty Officers' mess about a British nuclear submarine on Nato manoeuvres near Russian waters. The central character is 'Cook' Roach, the intelligent mess steward, whose sole ambition is to leave the navy. His chosen method of achieving this aim is to pretend he is a homosexual - a course of action that receives varying responses from the three petty officers he serves. Roach is played superbly by Neil Pearson,

CHOICE
In western Europe - property that includes 100 acres of Mayfair and 200 acres of Belgravia. He is filmed at his modern stately home, Eaton Hall, Chester, where he and his wife are active in local associations; his London residence in Eaton Square sits with business advisers who help him in his role which he describes as "caretaker of the family fortune. A self-confessed "sucker for expensive toys" it is stretching credibility when Lord Lifford, brought on to give perspective a character reference, declares "Gerard is not flesh".

Radio 4
6.00 News Briefing.
6.10 Farming Today. 6.25 Shipping. Today, including 6.30, 7.05, 7.35 and 8.05. 6.45 Fryer for the Day. 6.55, 7.55 Weather. 7.00, 8.00 Today's News. 7.30 Your Letters. 8.25, 8.55, 9.25 7.45 Thought for the Day. 8.35 Yesterday in Parliament. 8.57 News; Travel.

Radio 3
6.55 Weather.
7.00 Morning Concert: part one. Verdi (overture) (versip scilicet).
7.05 Morning Concert: part two. Mozart (Symphony No. 28).
7.15 The French Owl Tonight. Today in Parliament.
7.20 News.
7.25 Weather.
7.30 Shipping Forecast.

Radio 2
6.00 News.
6.05 Morning Concert: part two. Shostakovich (overture) on Russian and Mozart Folk Tunes. Britten (Carnegie), Op. 19, with Wesley Warren, solo trumpet; Schubert (Impromptu in C minor and E flat major, nos. 2 and 3) played by Claudia Arrau, piano; John Vaughan Williams's Fantasia on Sussex Folk Tunes, with Julian Lloyd Webber as solo cellist.
9.00 This Week's Composer: Ravel. Jean-Philippe Colard (piano) plays the Jeux d'eau; Felicity Paine, piano, with John Constable as her accompanist sings the Histoires naturelles, and Colard plays La Tombeau de Couperin.

10.30 Play School, presented by Cathy Nield, at Clevedon.
12.30 News After Noon with Richard Whitmore and Frances Couvells. The weather prospects come from Bill Giles. 12.57 Regional news.
1.00 Pebble Mill at One. Cliff Richard, the Peter Pan of the pop world, is a guest as is book buff Frank Delaney. 1.45 Gnat (1). 1.50 Stop-Gap for the very young.
2.00 Film: The Mad Miss Mandel (1938) starring Barbara Stanwyck and Henry Fonda. Comedy drama about a young society woman who keeps finding dead bodies. Directed by Leigh Jason. 3.25 Ten Million People. The second of five programmes about Britain's OAPs (r. 3.53 Regional news (not London).
3.55 Play School, presented by Stuart McQuigan. 4.20 Supergrass in the City of the Dead. 4.25 Jackanory: Hannah Gordon with part two of Mr. McFadden's Hallowsen (r. 4.40 Redemptus). 5.05 John Cleaver's Newsround. 5.10 Record Breakers presented by Roy Castle.

ITV/LONDON
9.25 Thames news headlines. 9.30 For Schorsch. 9.47 How Islam affects a Muslim's life. 10.04 Practising for sports day. 10.21 Child development. 10.43 The death of industry. 11.08 Games children play in the streets and playgrounds. 11.25 Pets and vets. 11.38 With a group of English exchange students on a visit to Avilite in the Loire valley.
12.00 Portland 998. Adventures of a lighthouse keeper. For the week of 1982. 12.00. A Story. Mark Wyper with the traditional tale of The Woodman and the Trees 12.30 The Sullivan's.
1.00 News. 1.29 Thames news. 1.30 A Plus. 2.00 Take the High Road. Drama series set in a Scottish highland estate where, today, speculation is rife about the estate's future. 2.30 A Kind of Loving. Episode four of Sam Gamson's adaptation of his own novel about the life and loves of Vic Brown (r. 3.30 Blockbusters).
4.00 Portland 998. A repeat of the programmes shown at noon 4.16 Dangersome saves the world again - part two (r. 4.20 Razzmatazz. Fun and games and pop music in the first of a new series presented by Alistair Pirrie and Lisa Stansfield. 4.45 CBTV. News, views and ideas for young people. 5.16 Emeraldale Farm. It's harvest time and the farm receives some unexpected assistance.
5.45 News. 6.00 Thames news. 6.29 Help! My Taylor-Gee, with news of the charity KIDS.
6.35 Crossroads. Horacio Jackson makes a moving confession.
6.55 Reporting London presented by Michael Barrett. Alan Hargreaves talks to Ed Mirvish, the owner of the Old Vic, and to the authors of the new musical Blondie, Tim Rice and Stephen Oliver. Elsewhere, Angela Lambert experiences British Rail's Charm School.
7.30 Give Us A Clue. Celebrity mime game chaired by Michael Aspel.
8.00 Des O'Connor Tonight. The first of a new series of variety shows with guests the week Tom Jones, Stephanie Lawrence and Gerry Shandling.
9.00 Rampole of the Bailey. Problems on two fronts this week for the old bachelors - defending a small-time crook and trying to help a female barrister make a start in the profession.
10.00 News followed by Thames news headlines.
10.30 First Tuesday. Windacade: The Nuclear Laundry. A film about the effect Windacade is having on the environment (see Choice).
11.30 The Devil Connection. Problems arise when Brian Devlin is made the executor of a wealthy friend's estate.
12.00 Night Thoughts.

BBC 2
9.00 Daytime on Two: Stephen Spender with his personal view of Shakespeare's A Winter's Tale. 9.28 Hitler's rise to power. 9.48 Maths: angles to 9 year olds. Dark Towers. 10.35 The silms of Brizzi's Solo Horizonte. 11.00 The Asian festival of light, Dhwell. 11.17 A day in the life of an assembly line worker at a Hiroshima car factory.
11.40 What is special about the Bible? 12.03 Britain's economy. Part six of an analysis. 12.30 Other people's lives. 12.55 Maths for adults: ratio lends at 1.09, 1.19 Sound waves. 1.40 Messages. 2.00 You and Me. 2.15 The geography of streets. 2.40 Up and down the hill. 3.00 Crossroads.
5.35 News summary with subtitles.
5.40 Harold Lloyd in extracts from The Kid Brother and Takes a Chance (r).
6.00 Cartoon Two: The Magic Flute, made by the National Film Board of Canada.
6.10 James Burke: The Real Thing. The first of a six-part series in which James Burke attempts to discover what is real and what is not. In this programme he asks 'What is reality?' (r).
6.40 Rockschool. A new series of eight programmes dealing with the three instruments essential to rock music - lead guitar, bass and drums. Each week a trio will play a different type of music before an audience of young musicians. With Dairde Cartwright (guitar), Geoff Nichols (drums) and Henry Thomas (bass).
7.05 Barclay James Harvest. Highlights from a concert given by the band in the shadow of the Berlin Wall (r).
7.40 An Artists World of Flowers. Clay Jones talks to award winning botanical artist Leslie Greenwood.
8.10 Timewatch includes recently discovered silent film revealing hospital life in the 1920s and 30s.
9.00 Kelly Monteith. A new series featuring the American comedian taking a wry look at life on this side of the Atlantic.
9.30 The Aristocrats. The second of six films by Robbery Laese on the European upper crust. His subject tonight is one of the richest families in Britain the Westminsters (see Choice).
10.20 Out of Court. David Jessel and Sue Cook with a new series about those who make or break the law. In this first programme reporter Ed Boyle investigates the growth of security firms and considers the legal implications.
10.50 Newsnight.
11.35 The most moving and moving of all. People, Chris Sris and Katta Dandoulaki learn how to Ask the Wind (shown on Saturday). Ends at 12.05.

CHANNEL 4
2.40 Film: Jezebel (1938) starring Betty Davis and Henry Fonda. Betty Davis won an Oscar for her performance as Jezebel. A Marston's sports Southern Belle, who plots to humiliate her long-suffering fiancée, Preston Dillard, when he refuses to cater to her every whim, directed by William Wyler.
4.30 Countdown.
5.00 Years Ahead. Magazine programme for older viewers, presented by Robert Douglas. Today's programme includes a film profile of John Brown who, at the age of 40, has returned to his old hobby of violin making. The film shows Brown at work in his small workshop; Leonard Friedman playing one of the violins; and a paragon from Hamburg who plays the violin in the programme also includes a fashion report for older people with Lella Simpson (aged 67) and Dora Grunton (aged 75) on a shopping expedition for the benefit of viewers.
5.45 The Sports Quiz with Steve Davis. Five more hopefuls compete in another round of the competition to find Britain's top sporting brain.
6.15 Utopia Limited. Part three of the series that examines the way the world uses its resources looks at experiments in the Green Revolution - the production of high yield food crops in Third World countries using modern agricultural methods.
6.45 Hey Good Looking! Peter York analyses the rise and fall of the executive style - a look that eventually became available to all, thus slipping downmarket.
7.00 Channel Four News.
7.30 Comment. With her view of a matter of topical importance is Barbara Smoker, chairman of the Voluntary Ethniasis Society and president of the National Secular Society.
8.00 Brookside. A special birthday edition finds the Close celebrating November 5 with a communal bonfire.
8.45 Skywales. An animated film about a species of jellyfish. A MACKIN TOUR OF THE VEGETATION, suspended in the sky.
9.00 Conversation Pieces: On Probation. Animated version of an actual conversation between an inmate of a probationary home who wants time off to see his brother who is due in court, and his probation officer.
9.05 Film: Owain, Prince of Wales (1983) starring J. O. Roberts as the legendary 15th-century Welsh warrior, Owain Glyndwr. Directed by James Gill.
10.55 Leonard Stevens Taylor with another edition of the irreverent chat show with music, live from London's Albany Empire Theatre.
11.55 Closedown.

BBC 1
12.57 News headlines. 1.00 News. 1.30 Regional news (not London). 1.50 Stop-Gap for the very young. 2.00 Film: The Mad Miss Mandel (1938) starring Barbara Stanwyck and Henry Fonda. Comedy drama about a young society woman who keeps finding dead bodies. Directed by Leigh Jason. 3.25 Ten Million People. The second of five programmes about Britain's OAPs (r. 3.53 Regional news (not London). 3.55 Play School, presented by Stuart McQuigan. 4.20 Supergrass in the City of the Dead. 4.25 Jackanory: Hannah Gordon with part two of Mr. McFadden's Hallowsen (r. 4.40 Redemptus). 5.05 John Cleaver's Newsround. 5.10 Record Breakers presented by Roy Castle.

FREQUENCIES: Radio 1: 105.3kHz/285m; 108.9kHz/275m; Radio 2: 693kHz/433m; 909kHz/330m; Radio 3: 1215kHz/247m; VHF: 90-92.5; Radio 4: 200kHz/1500m VHF: 92-95; LBC 1152kHz/261m; VHF: 97.3; Capital: 1548kHz/194m; VHF: 95.8; BBC Radio London 1458kHz/208m; VHF: 94.9; World Service MF 64kHz/463m.

Entertainments
CHICHESTER FESTIVAL THEATRE
COMEDY. CC. 01 939 2578
LITTLESHIP OF HORRORS
LITTLESHIP
COTTELOVE
GLENHARRY GOLD
LITTLESHIP
COTTELOVE
GLENHARRY GOLD
LITTLESHIP
COTTELOVE
GLENHARRY GOLD
LITTLESHIP

Old Vic returns to the stage

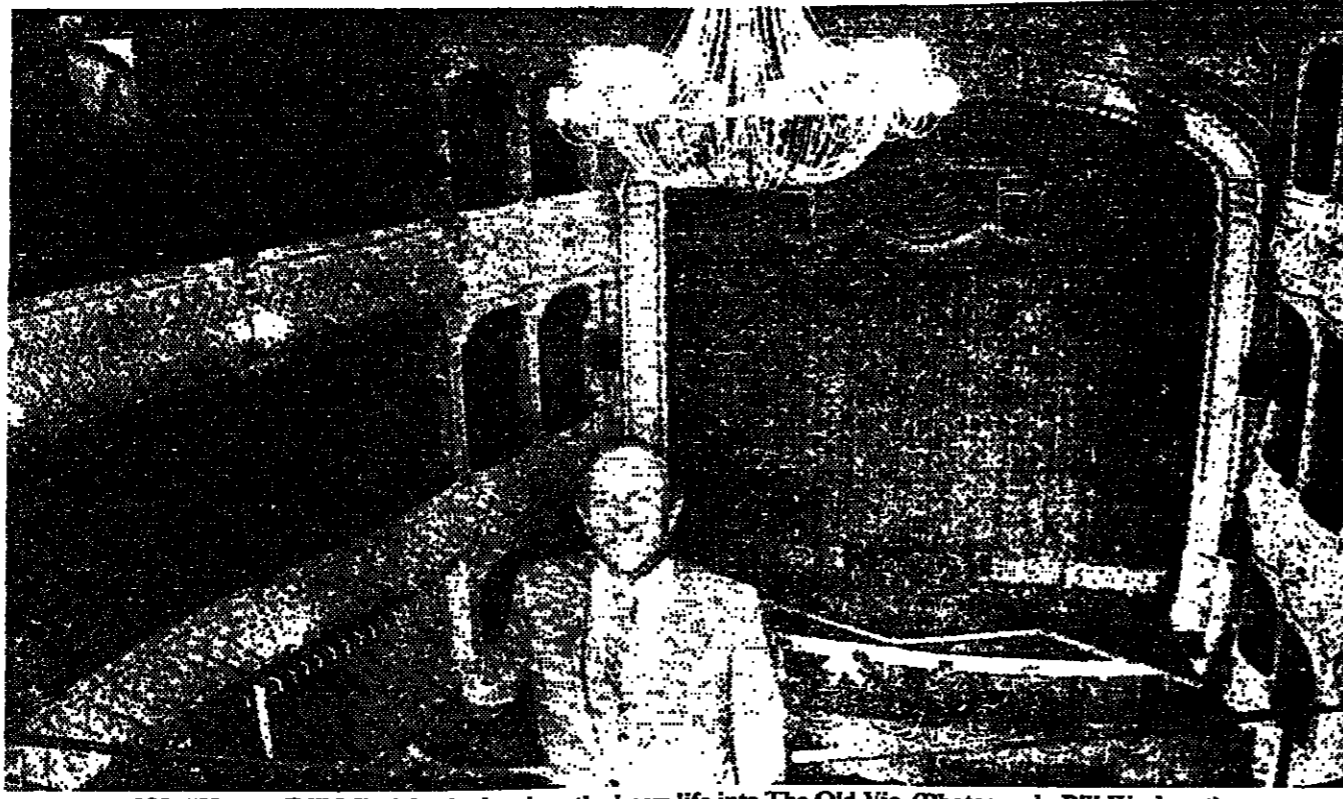
By Christopher Warman Arts Correspondent

The Old Vic, given a £2m facelift...

In 42 weeks, the theatre opened in 1818...

The only feature missed by Mr Mirvish is the outline of lights...

Yesterday Mr Mirvish, who has made a success of a discount store...



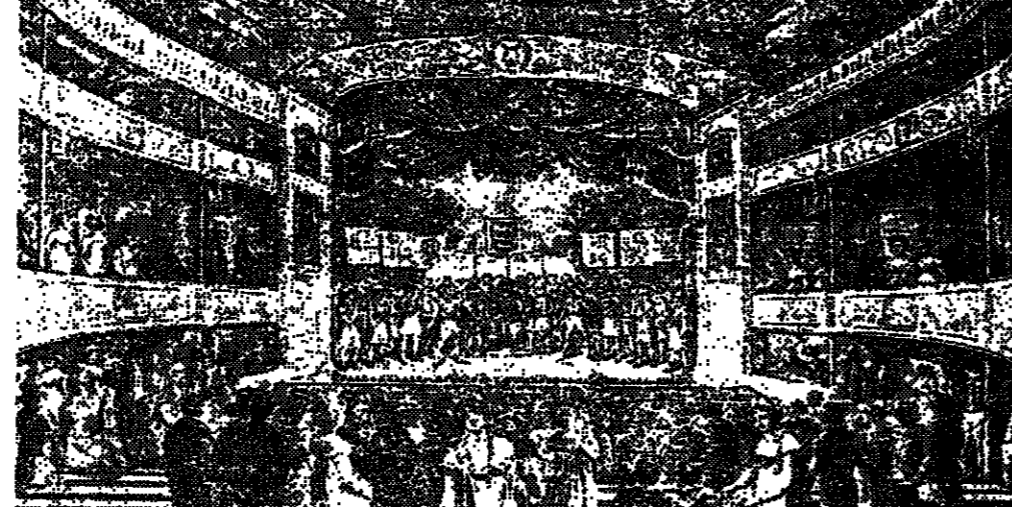
1983: "Honest Ed" Mirvish who has breathed new life into The Old Vic. (Photograph: Bill Warburton)

Toronto, refused to make promises for the future.

This new Old Vic is very much his creation and he was asked if he had considered giving it his name.

He bought the theatre without ever having seen it, and it is prepared to subsidize it if it does not make money at first.

Mr Mirvish has sold 6,500 subscriptions for the 1,000-seat theatre.



1818: The theatre opens as The Royal Coburg.



1928: Lilian Baylis (second from right) who made it famous again.

A chequered history

- 1817 - Waterloo Bridge opens. 1818 - Theatre opens as The Royal Coburg.

- 1912 - Emma Cons dies; Lilian Baylis takes over. 1914 - The Old Vic Shakespeare Company formed.

THE TIMES INFORMATION SERVICE

Today's events

- Royal engagements: The Queen holds an investiture at Buckingham Palace, 11.

- The Committee of the ESU, 11.30, all at Buckingham Palace.

The Duchess of Kent, Patron of the Spastics Society, attends the Ski Yoghurt Gala Ball...

TV top ten

- 1 Coronation Street (Wed), Granada, 16.05m.

Roads

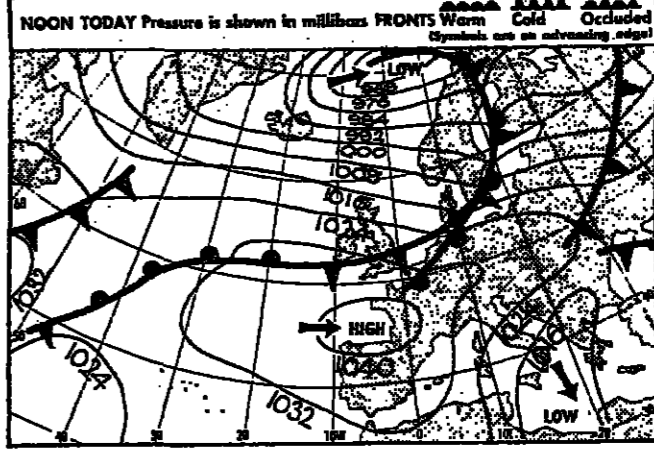
Midlands: A34: Roadworks, delays in Henley in Arden, Warwickshire...

Weather forecast

A trough of low pressure will be slow moving over northern England and Wales.

6 am to midnight

London, SE, central S England, East Angles, W Midlands, Channel Islands: Rain in places at first...



NOON TODAY Pressure is shown in millibars...

Table with columns for location, tide height, and time. Includes London Bridge, Aberdeen, Belfast, Cardiff, Dover, Falmouth, Harwich, Hove, Hull, Liverpool, Lowestoft, Margate, Milford Haven, Newcastle, Oban, Portsmouth, Southampton, Swansea, Tynemouth, Walsby-on-Nezza.

Around Britain

Table with columns for location, sun, rain, and cloud cover. Includes St Andrews, Aberdeen, Birmingham, Bristol, Cardiff, Exeter, Glasgow, London, Manchester, Newcastle, Norwich, Oxford, Plymouth, Southampton, Swansea, Tynemouth, Walsby-on-Nezza.

Abroad

Table with columns for location, sun, rain, and cloud cover. Includes Alicante, Almeria, Alexandria, Algiers, Amsterdam, Athens, Bahrain, Barcelona, Beirut, Belgrade, Bern, Berlin, Bogota, Brasilia, Brisbane, Bucharest, Buenos Aires, Calcutta, Caracas, Casablanca, Catania, Cebu, Chengde, Chongqing, Colombo, Copenhagen, Curitiba, Dallas, Damascus, Dakar, Delhi, Dhaka, Doha, Dublin, Edinburgh, Frankfurt, Geneva, Harbin, Helsinki, Hong Kong, Hanoi, Hyderabad, Istanbul, Jakarta, Johannesburg, Kuala Lumpur, London, Lyons, Madrid, Manila, Mexico City, Moscow, Mumbai, New Delhi, New York, Ottawa, Paris, Perth, Rome, Seoul, Singapore, Stockholm, Taipei, Toronto, Tokyo, Vancouver, Warsaw, Wellington, Zurich.

The Times Crossword Puzzle No 16,275

Crossword puzzle grid with numbers and clues.

ACROSS

- 1 Tree snake's setback in Gilbert's so-called ballads (6).

DOWN

- 1 Union for everybody? A nice change (8).

CONCISE CROSSWORD PAGE 9

Exhibitions in progress

"Paintings from the Cranby Row Studio" contemporary paintings by artists resident in Manchester...

Talks, lectures

South Africa, by Ulrich Weigert, Greenhill Library, Hemper Lane, Shaftesbury, 11.30.

The pound

Table with columns for country, bank, and exchange rate. Includes Australia, Austria, Belgium, Canada, Denmark, Finland, France, Germany, Greece, Hong Kong, Ireland, Italy, Japan, Netherlands, Norway, Portugal, South Africa, Spain, Sweden, Switzerland, USA, Yugoslavia.

The papers

The Daily Mirror says that if the National Health Service were really safe with this government...

One-parent families

A new report published by the National Council for One Parent Families details discrimination against lone parents over income, employment, housing and other services...

Parliament today

Commons 2.30: Proceedings on the British Shipbuilders (Borrowing Powers) Bill.